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Enhancing lives**

## **Protection at the highest level.**

REHAU Insulating hoses  
[www.rehau.com](http://www.rehau.com)



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## 01 REHAU Insulating hoses

For decades, REHAU has been converting polymer materials into high-quality technical products. You will find the REHAU hose and silicone technology in the following sectors:

- Automotive industry
- High-pressure technology
- Industrial technology
- Food and beverage industry
- Horticultural and agricultural technology
- Technical specialist trade
- Equipment, machine and tool construction

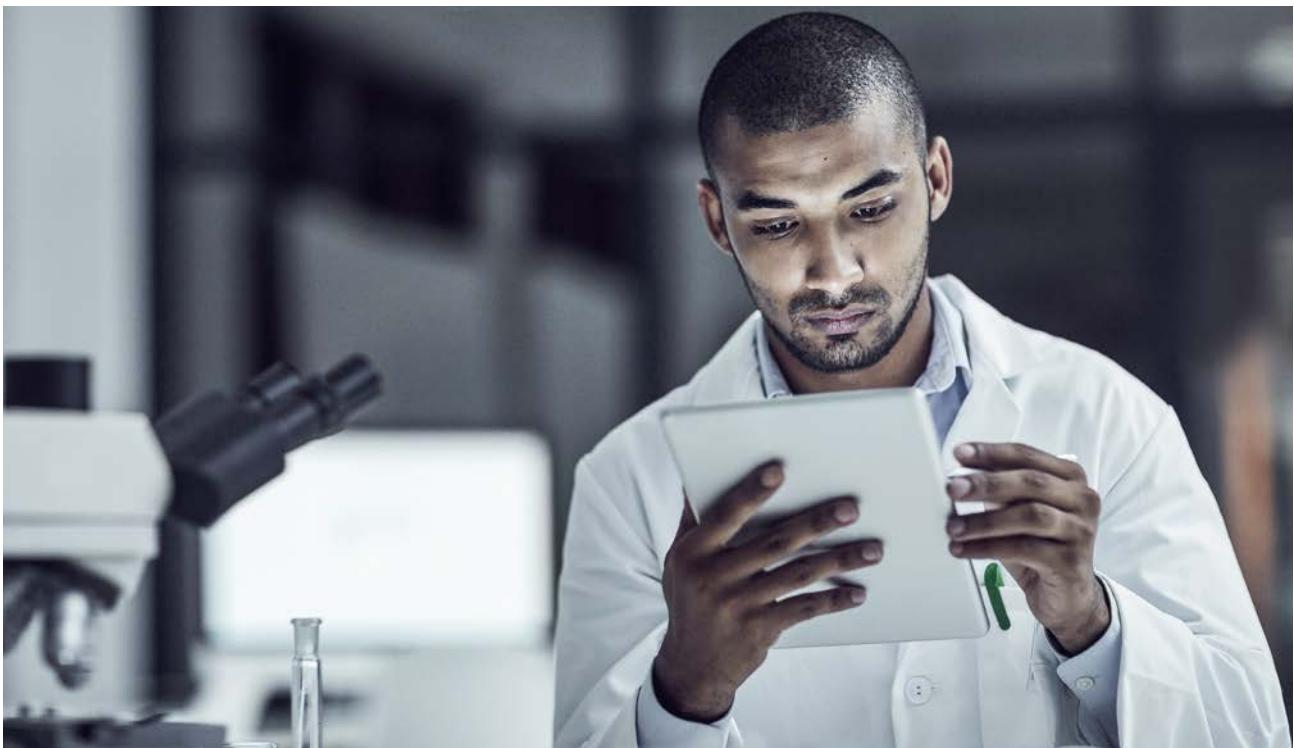
### **The right solution for every requirement**

The know-how acquired and the focus on customer requirements distinguish REHAU as a specialist.

Specifically in the area of insulating hoses you will find a wide range of finely tuned formulations with a single aim: Constant, excellent product quality.



## 02 Material competence



REHAU considers itself to be not just a supplier of standard formulations but also a partner for customer-specific developments. Regardless of which ideas and requirements you have, we will search together with you, designing and developing individual solutions. The wealth of experience in the processing of polymer materials and the extensive know-how from product developments form the basis for this.

**In addition to this, REHAU offers you:**

- Comprehensive technical applications advice
- Individual formulation of the materials
- Precise colour matching in the laboratory
- In-house tool-making department
- Versatile production techniques
- Continuous quality monitoring

## 03 Material overview

### **RAU-PVC 9389**

Standard formulation to DIN 40621, tested to VW-TL 507 and BMW standard 60 077.0 and BOSCH N 28 5 505 2. Suitable for all applications with moderate temperature requirements.

### **RAU-PVC 9248**

Special formulation to DIN 40621, tested to VW-TL 507/1 and LV312-3. Heat-resistant, for example for protective sleeving for cables in the engine compartment.

### **RAU-PVC 8589**

Softer special formulation to DIN 40621, tested to VW-TL 514. Increased resistance to low temperatures. For protective sleeving for cables in the outdoor area and in the case of increased mechanical loading.

### **RAU-PVC 9148**

Special formulation to UL 224 (file no. E 44854), for products used in the North American market. With increased heat-resistance. Suitable for cable bundles in electrical appliance construction and in medico-technical equipment. Available only in black colour.

### **RAU-PVC 8711**

Special formulation to UL 224 (file no. E 44854), for products used in the North American market. Suitable for cable bundles in electrical appliance construction and in medico-technical equipment. Oil and heat-resistant. Available only in opaque colours.

### **RAU-PVC 9311**

Special formulation, resistant to oils and impregnating varnishes. Highly heat-resistant. Available only in opaque colours.

### **RAU-PUR 2610**

Standard formulation, resistant to oil and fuel. Extremely abrasion and notch impact resistant.

### **RAU-PUR 2611 (on request only)**

Standard formulation resistant to oil and fuel. Abrasion and notch impact resistant. Hydrolysis and microbe-resistant material.

### **RAU-EMPP 554**

Thermoplastic rubber. Elastomer-modified PP (TPE-V) to BOSCH standard N28 NS 01 S036.

### **RAU-SIK 8253**

Extremely heat-resistant silicone quality tested to VW TL 2.8.1 incl. TL1010 and VW standard 91101.

Various fluoropolymers (PTFE/PFA) in different dimensions on request.

### **DIN 40621**

Standard DIN 40621, which has been withdrawn, has been replaced by DIN EN 60684 parts 1 to 3. The technical values and dimensions of DIN 40621 remain the basis for many hose applications and various OEM. We specify the REHAU standard range of insulating hoses in accordance with the requirements of DIN 40621 (insulating hose B, non-woven).

### **DIN EN 60684**

Enquiries for the available ranges of dimensions (thin-walled / standard design / thick-walled) possible within DIN EN 60684-3 sheets 100 to 105 and the corresponding material qualities (standard design / highly heat-resistant / cold-resistant) are processed according to customer requirements.

## 04 Technical material information

### Comparison of insulating hose materials

Material type	Test Standard	RAU-SIK 8253	RAU-PVC 9389	RAU-PVC 9248	RAU-PVC 9148
Density [g/cm <sup>2</sup> ]	ISO 1183	1,16 ± 0,03	1,40 ± 0,03	1,37 ± 0,03	1,37 ± 0,03
Hardness Shore A	ISO 868, 3 s	65 ± 5	93 ± 3	92 ± 3	91 ± 3
Tensile strength [MPa]	ISO 527-1/2/ DIN 53504, S2	≥ 7,5	≥ 18	≥ 20	≥ 15
Elongation at break [%]	ISO 527-1/2/ DIN 53504, S2	≥ 250	≥ 250	≥ 300	≥ 220
Heat resistance test		–	48 h at 90 °C 3000 h at 105 °C	240 h at 130 °C 3000 h at 105 °C	168 h at 136 °C 3000 h at 125 °C
Cold resistance test		–	0,5 h at -20 °C	6 h at -40 °C	1 h at -30 °C
Temperature range up to max. 3000 h* operating time at maximum temperature		–	-20 °C to 70 °C	-40 °C to 105 °C	-30 °C to 125 °C
Temperature range ≥ 3000 h* operating time at maximum temperature		-40 °C to 180 °C	-20 °C to 60 °C	-40 °C to 90 °C	-30 °C to 105 °C
Specific volume resistivity [Ω cm]	IEC 60093/ VDE 0303	≥ 10 <sup>15</sup>	≥ 10 <sup>10</sup>	≥ 10 <sup>10</sup>	≥ 10 <sup>10</sup>
Dielectric strength [kV/mm]	IEC 60243-1/ VDE 0303	≥ 18	≥ 20	≥ 20	≥ 20
Flammability [grade]	FMVSS 302	II (self-extinguishing)**	II (self-extinguishing)	II (self-extinguishing)	II (self-extinguishing)
Flammability [classification]	UL 94	HB	HB	HB	HB
Halogen-free		yes	no	no	no
Other	VW-TL 2.8.1, ozone-resistant	Standard quality DIN 40621, VW TL 507	Improved heat resistance DIN 40621, VW TL 507/1 LV 312-3	Highly heat-resistant, UL 224, File-No. E44854, DBL 6312-02	

\* Dependent on specific installation situation (mechanical loads, thermal stress)

\*\* Dependent on wall thickness

### All insulating hoses are compliant with the following directives and regulations:

1. Directive 2011/65/EU - RoHS (electrical/electronic equipment)
2. Directive 2012/19/EU - WEEE (electrical/electronic equipment)
3. Directive 2000/53/EG end-of-life vehicle directive (freedom from lead, cadmium, chromium (VI), mercury)
4. Regulation (EC) 1907/2006 appendix XIV and ECHA candidate list (absence of SVHC)
5. Regulation (EC) 1907/2006 Anhang XVII (bans on use)
6. Global Automotive Declarable Substance List (GADSL)
7. Directive (EU) 2019/1021 on persistent organic pollutants
8. Dodd Frank Wall Street Reform and Consumer Protection-Act - Sec. 1502 (Conflict materials)

<b>RAU-PVC 8711</b>	<b>RAU-PVC 9311</b>	<b>RAU-PUR 2611</b>	<b>RAU-PUR 2610</b>	<b>RAU-EMPP 554</b>	<b>RAU-PVC 8589</b>
1,35 ± 0,03	1,34 ± 0,03	1,14 ± 0,03	1,22 ± 0,03	1,24 ± 0,03	1,32 ± 0,03
87 ± 3	91 ± 3	90 ± 3	86 ± 5	86 ± 3	86 ± 3
≥ 15	≥ 15	≥ 35	≥ 20	≥ 7	≥ 17
≥ 250	≥ 250	≥ 300	≥ 250	≥ 400	≥ 300
168 h at 136 °C 3000 h at 125 °C	168 h at 136 °C	96 h at 130 °C	96 h at 130 °C	1000 h at 125 °C	24 h at +80 °C
1 h at -30 °C	1 h at -10 °C	0,5 h at -40 °C	0,5 h at -40 °C	0,5 h at -40 °C	24 h at -40 °C
-30 °C at 125 °C	-10 °C at 125 °C	-40 °C at 100 °C	-40 °C at 100 °C	-40 °C at 120 °C	-40 °C at 65 °C
-30 °C at 105 °C	-10 °C at 105 °C	-40 °C at 80 °C	-40 °C at 80 °C	-40 °C at 100 °C	-40 °C at 60 °C
≥ 10 <sup>10</sup>	≥ 10 <sup>10</sup>	≥ 10 <sup>10</sup>	≥ 10 <sup>10</sup>	≥ 10 <sup>10</sup>	≥ 10 <sup>10</sup>
≥ 20	≥ 20	≥ 25	≥ 25	≥ 25	≥ 20
II (self-extinguishing)	II (self-extinguishing)	V (burning rate ≤ 100 mm/min)	V (burning rate < 100 mm/min)	II (self-extinguishing)	II (self-extinguishing)
HB	HB	HB	HB	V-0	nein
no	no	yes	yes	no	yes
Highly heat-resistant, UL 224, File-No. E44854 DBL 6312-02	Resistant to oils and impregnating varnishes. highly heat-resistant	Polyurethane elastomer (TPE-U) Polyether type	Polyurethane elastomer (TPE-U) Polyester type	Elastomer-modified polypropylene (TPE-V)	Improved cold resistance, DIN 40621 VW TL 514

### Important general technical information

#### 1. Air filling

Air filling guarantees largely kink-free hose bundle design. Cross-section deformations due to the weight of the hose bundles themselves cannot be ruled out due to unavoidable diffusion from the resulting decrease in air filling and due to prolonged storage time.

#### 2. Storage and usage duration

For correct storage, we refer to the specifications in ISO 8331:2007-05-01, section 3.3, and to

DIN 20066:2002-10, point 14.1.2 "Storage and Usage Duration". Under certain conditions, these standards specify longer storage periods (up to 4 years for hoses by the metre) as guide values. To reach the longer storage time, we recommend storage in a tightly closed PE bag in a dry, dark room up to a maximum of 30°C room temperature. Chemical or biological contamination, repeated mechanical stresses or the effect of high-energy radiation must be reliably eliminated.

## 05 Range overview insulating hoses made from RAU-PVC

Nominal size (di x s) Internal diameter x wall thickness/mm	RAU-PVC 9389	RAU-PVC 9248	RAU-PVC 9148	RAU-PVC 9311	RAU-PVC 8589
0.5 x 0.25	1074630				
0.55 x 0.5			1058010	1059000	
0.85 x 0.5			1058020	1059010	
0.95 x 0.45			1058011		
1.05 x 0.5			1058030	1059030	
1.15 x 0.45			1058001		
1.5 x 0.6			1058040	1059020	
1.75 x 0.6			1058510		
2.0 x 0.4	1073060	1073383	1073793		
2.0 x 0.6			1058190	1059040	
2.15 x 0.6			1058050	1059050	
2.4 x 0.6			1058500		
2.5 x 0.4	1073230				
2.7 x 0.6			1058060	1059060	
3.0 x 0.4	1073070	1073212			
3.0 x 0.6			1058070	1059070	
3.4 x 0.6			1058080	1059080	
3.5 x 0.4	1073240	1073593			1073742
3.5 x 0.5	1073083	1073063			
4.0 x 0.5	1073080	1073222			1073503
4.0 x 0.6			1058210	1059090	
4.0 x 0.75	1073263				
4.2 x 0.6			1058090	1059100	
4.5 x 0.5	1073270	1073582			
4.7 x 0.6			1058100	1059110	
5.0 x 0.3	1073014				
5.0 x 0.4	1074410				
5.0 x 0.45					1073642
5.0 x 0.6	1073090	1073232	1058220	1059120	1073412
5.0 x 0.75	1073283	1073703			
5.3 x 0.6			1058110	1059130	
5.5 x 0.6	1073300	1073237			
6.0 x 0.5	1073310				
6.0 x 0.6	1073100	1073242	1058330	1059140	1073422
6.0 x 0.75	1073273	1073643			
6.5 x 0.6	1073330	1073238			
6.7 x 0.35			1058460		
6.7 x 0.6	1073623		1058120	1059150	
7.0 x 0.4	1073743				
7.0 x 0.5	1073183				
7.0 x 0.6	1073893	1073239	1058370	1059160	1073113
7.0 x 0.7	1073160	1073252			1073432
7.0 x 0.9		1073693			
7.45 x 0.6			1058130	1059170	
7.5 x 0.7	1073360				
8.4 x 0.45	1073883				
8.0 x 0.5	1074570				
8.0 x 0.6			1058490		
8.0 x 0.7	1073110	1073262			1073442
8.4 x 0.45	1073883				
8.4 x 0.6			1058140	1059180	
9.0 x 0.7	1073170	1073272			1073452
9.5 x 0.6			1058150	1059190	
10.0 x 0.7	1073120	1073282			1073013
10.0 x 0.9	1073601				
10.5 x 0.7	1074620				

Nominal size (di x s) Internal diameter x wall thickness/mm	RAU-PVC 9389	RAU-PVC 9248	RAU-PVC 9148	RAU-PVC 9311	RAU-PVC 8589
11.0 x 0.7	1073180	1073292			
11.1 x 0.6			1058160	1059200	
11.25 x 0.85			1058430		
12.0 x 0.5	1073393				
12.0 x 0.8	1073130	1073302			1073753
12.0 x 1.2			1058410		
12.7 x 0.6			1058170	1059210	
12.7 x 0.75			1058003		
13.0 x 0.8	1073460	1073312			1073492
13.0 x 0.9		1073632			
13.0 x 1.0		1073622			
14.0 x 0.75			1058240	1059220	
14.0 x 0.8	1073002	1073324			
14.0 x 1.0	1073190	1073322			1073462
14.0 x 1.2					1073592
15.0 x 0.7	1073490				
15.0 x 0.75			1058230	1059230	
15.0 x 0.8	1073500	1073332			
15.0 x 1.0					1073313
15.0 x 1.2					1073522
16.0 x 0.75			1058350		
16.0 x 1.0	1073140	1073342			1073482
17.0 x 1.0	1074280	1073352			1073323
17.0 x 1.2					1073532
18.0 x 0.5	1073423				
18.0 x 1.0	1074300	1073362			1073472
19.0 x 1.0	1074320	1073372			1073003
19.0 x 1.2					1073542
20.0 x 0.8	1073971				
20.0 x 0.85			1058180	1059240	
20.0 x 1.0	1074340				1073602
20.0 x 1.2	1073150	1073382			
21.0 x 1.2	1073041	1073392			1073572
22.0 x 1.0					1073333
22.0 x 1.2	1073200	1073402			1073562
23.0 x 0.85			1058340	1059250	
23.0 x 1.2	1074640	1073502			
24.0 x 1.2	1074360	1073512			
25.0 x 1.2	1074500	1073892			1073882
26.0 x 0.85			1058270	1059260	
26.0 x 1.0					1073343
26.0 x 1.2	1074390	1073762			1073652
27.0 x 1.2	1073101	1073902			
28.0 x 1.0					1073353
28.0 x 1.2	1073111	1073872			1073552
29.0 x 1.2	1073832	1073912			
30.0 x 1.2	1074440	1073922			
32.0 x 1.2	1074680	1073153			
33.0 x 1.2		1073804			
34.0 x 1.2	1073701				
35.0 x 1.2	1073331				
36.0 x 1.5	1073123				
38.0 x 1.2	1073991				
39.0 x 1.2	1073842				
40.0 x 1.4	1073752	1073862			
50.0 x 1.4		1073992			

## 06 Universal hoses made from RAU-PVC 9389 to DIN 40621

### Colour

RAL 9005 black

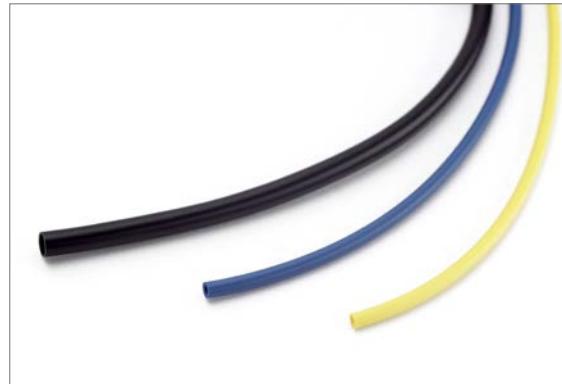
Other colours on request.

### Delivery period

Almost all materials in RAL 9005 black are available immediately from stock.

### Notes

Insulating hoses of nominal size 2.0 x 0.4 to 28.0 x 1.2 mm are supplied filled with air and sealed at the ends.



### Standard box sizes

For hose 2.0 – 4.5 mm: 1,180 x 770 x 870 mm

For hose 5.0 – 6.5 mm: 1,180 x 970 x 870 mm

For hose 7.0 – 30.0 mm: 780 x 780 x 870 mm

### Standard pallet package

2 boxes stacked on one pallet with edges aligned.  
1 x along and 2 x across, strapped and sealed with plastic tape.

Mat. no.	Nominal size di x s (mm)	Internal Ø di (mm)	Wall thickness s (mm)	Delivery on coils (m)	Content/ box	Total quantity/ box	Total quantity/ palette	Available from stock
	Adm. deviation di x s (mm)	Adm. deviation di (mm)	Adm. deviation s (mm)					
1073060	2.0 x 0.4	2.1 + 0.3	0.4 ± 0.1	800	48 Coils	38,400 m	76,800 m	
1073230	2.5 x 0.4	2.6 + 0.3	0.4 ± 0.1	800	42 Coils	33,600 m	67,200 m	✓
1073070	3.0 x 0.4	3.1 + 0.3	0.4 ± 0.1	700	36 Coils	25,200 m	50,400 m	✓
1073240	3.5 x 0.4	3.6 + 0.3	0.4 ± 0.1	600	36 Coils	21,600 m	43,200 m	✓
1073083	3.5 x 0.5*	3.5 + 0.2	0.5 ± 0.15	500	4 Coils	2,000 m	36,000 m	
1073080	4.0 x 0.5	4.1 + 0.3	0.5 ± 0.15	500	36 Coils	18,000 m	36,000 m	✓
1073270	4.5 x 0.5	4.6 + 0.3	0.5 ± 0.15	400	36 Coils	14,400 m	28,800 m	✓
1073090	5.0 x 0.6	5.1 + 0.3	0.6 ± 0.15	500	25 Coils	12,500 m	25,000 m	✓
1073300	5.5 x 0.6*	5.6 + 0.3	0.6 ± 0.15	500	24 Coils	12,000 m	24,000 m	
1073310	6.0 x 0.5*	6.1 + 0.3	0.5 ± 0.15	400	25 Coils	10,000 m	20,000 m	
1073100	6.0 x 0.6	6.1 + 0.3	0.6 ± 0.15	400	25 Coils	10,000 m	20,000 m	✓
1073330	6.5 x 0.6*	6.6 + 0.3	0.6 ± 0.15	400	20 Coils	8,000 m	16,000 m	
1073743	7.0 x 0.4*	7.1 + 0.3	0.4 ± 0.1	400	20 Coils	8,000 m	16,000 m	
1073183	7.0 x 0.5*	7.1 + 0.3	0.5 ± 0.15	400	20 Coils	8,000 m	16,000 m	
1073893	7.0 x 0.6*	7.1 + 0.3	0.6 ± 0.15	500	6 Coils	3,000 m	6,000 m	
1073160	7.0 x 0.7	7.1 + 0.3	0.7 ± 0.15	500	6 Coils	3,000 m	6,000 m	✓
1073360	7.5 x 0.7*	7.6 + 0.3	0.7 ± 0.15	500	6 Coils	3,000 m	6,000 m	
1074570	8.0 x 0.5*	8.1 + 0.3	0.5 ± 0.15	500	6 Coils	3,000 m	6,000 m	
1073110	8.0 x 0.7	8.1 + 0.3	0.7 ± 0.15	500	6 Coils	3,000 m	6,000 m	✓

Mat. no.	Nominal size di x s (mm)	Internal Ø di (mm)	Wall thickness s (mm)	Delivery on coils (m)	Content/ box	Total quantity/ box	Total quantity/ palette	Available from stock
	Adm. deviation	Adm. deviation						
1073383	8.4 x 0.5*	8.4 + 0.3	0.45 ± 0.05	800	48 Coils	38,400 m	76,800 m	
1073170	9.0 x 0.7	9.1 + 0.4	0.7 ± 0.15	400	6 Coils	2,400 m	4,800 m	✓
1073120	10.0 x 0.7	10.1 + 0.4	0.7 ± 0.15	300	6 Coils	1,800 m	3,600 m	✓
1073601	10.0 x 0.9*	10.1 + 0.4	0.9 ± 0.2	300	6 Coils	1,800 m		
1074620	10.5 x 0.7*	10.6 + 0.4	0.7 ± 0.15	250	6 Coils	1,500 m		
1073180	11.0 x 0.7	11.1 + 0.4	0.7 ± 0.15	250	6 Coils	1,500 m	3,000 m	✓
1073130	12.0 x 0.8	12.1 + 0.4	0.8 ± 0.15	250	5 Coils	1,250 m	2,500 m	✓
1073393	12.0 x 0.5*	12.1 + 0.4	0.5 ± 0.15	250	5 Coils	1,250 m	2,500 m	
1073460	13.0 x 0.8	13.1 + 0.5	0.8 ± 0.2	200	5 Coils	1,000 m	2,000 m	✓
1073002	14.0 x 0.8*	14.1 + 0.4	0.8 ± 0.15	200	5 Coils	1,000 m		
1073190	14.0 x 1.0	14.1 + 0.5	1.0 ± 0.2	200	5 Coils	1,000 m	2,000 m	✓
1073500	15.0 x 0.8*	15.1 + 0.5	0.8 ± 0.2	150	4 Coils	600 m	1,200 m	✓
1073490	15.0 x 0.7	15.1 + 0.5	0.7 ± 0.15	150	4 Coils	600 m		
1073140	16.0 x 1.0	16.1 + 0.6	1.0 ± 0.2	150	4 Coils	600 m	1,200 m	✓
1074280	17.0 x 1.0*	17.1 + 0.6	1.0 ± 0.2	150	4 Coils	600 m	1,200 m	
1073423	18.0 x 0.5*	18.0 + 0.6	0.5 ± 0.15	100	60 Coils	6,000 m		
1074300	18.0 x 1.0	18.1 + 0.6	1.0 ± 0.2	100	4 Coils	400 m	800 m	✓
1074320	19.0 x 1.0*	19.1 + 0.6	1.0 ± 0.2	100	4 Coils	400 m	800 m	✓
1073150	20.0 x 1.2	20.1 + 0.6	1.2 ± 0.2	100	4 Coils	400 m	800 m	✓
1073041	21.0 x 1.2*	21.1 + 0.7	1.2 ± 0.2	75	4 Coils	300 m	600 m	
1073200	22.0 x 1.2	22.1 + 0.7	1.2 ± 0.2	75	4 Coils	300 m	600 m	✓
1074640	23.0 x 1.2*	23.1 + 0.7	1.2 ± 0.2	75	4 Coils	300 m	600 m	
1074360	24.0 x 1.2*	24.1 + 0.7	1.2 ± 0.2	50	5 Coils	250 m	500 m	
1074500	25.0 x 1.2	25.1 + 0.7	1.2 ± 0.2	50	4 Coils	200 m	400 m	✓
1074390	26.0 x 1.2*	26.1 + 0.7	1.2 ± 0.2	50	4 Coils	200 m	400 m	
1073101	27.0 x 1.2*	27.1 + 0.8	1.2 ± 0.2	50	4 Coils	200 m	400 m	
1073111	28.0 x 1.2*	28.1 + 0.8	1.2 ± 0.2	50	4 Coils	200 m	400 m	✓
1073832	29.0 x 1.2*	29.1 + 0.9	1.2 ± 0.2	50	4 Coils	200 m		
1074440	30.0 x 1.2	30.1 + 0.9	1.2 ± 0.2	50	4 Coils	200 m	400 m	✓
1074680	32.0 x 1.2*	32.1 + 0.9	1.2 ± 0.2	50	4 Coils	200 m		
1073331	35.0 x 1.2*	35.1 + 0.9	1.2 ± 0.2	50	8 Coils	400 m		
1073701	34.0 x 1.2*	34.1 + 1.0	1.2 ± 0.2	50	4 Coils	200 m	400 m	
1073123	36.0 x 1.5*	36.1 + 1.0	1.5 ± 0.3	50	6 Coils	300 m		
1073991	38.0 x 1.2*	38.1 + 1.1	1.2 ± 0.2	50	4 Coils	200 m	400 m	
1073842	39.0 x 1.2*	39.1 + 1.1	1.2 ± 0.2	50	4 Coils	200 m		
1073752	40.0 x 1.4*	40.1 + 1.1	1.4 ± 0.3	50	6 Coils	300 m		

\* Dimensions outside DIN 40621, sheet 1

## 07 Heat-resistant hoses made from RAU-PVC 9248 to DIN 40621

### Colour

RAL 9005 black  
Other colours on request.

### Labelling

A white marking strip is printed as standard. This can be omitted if desired.

### Delivery period

All materials in RAL 9005 with white marking strip up to internal diameter 18 mm are available immediately from stock.

All materials in RAL 9005 with no white marking strip up to internal diameter 15 mm are available immediately from stock.

We will be pleased to let you know the minimum quantities and delivery periods for the other dimensions on request.

### Notes

Insulating hoses of nominal size 3.0 x 0.4 to 28.0 x 1.2 mm are supplied filled with air and sealed at the ends.



### Standard box sizes

For hose 2.0 - 4.5 mm: 1,180 x 770 x 870 mm

For hose 5.0 - 6.5 mm: 1,180 x 970 x 870 mm

For hose 7.0 - 30.0 mm: 780 x 780 x 870 mm

### Standard pallet package

2 boxes stacked on one pallet with edges aligned.

1 x along and 2 x across, strapped and sealed with plastic tape.

Mat. no.	Nominal size di x s (mm)	Internal Ø di (mm) Admissible deviation	Wall thickness s (mm) Admissible deviation	Delivery on coils (m)	Content/ box	Total quantity/ box	Total quantity/ palette	Available from stock
1073383	2.0 x 0.4	2.1 + 0.3	0.4 ± 0.1	800	48 Coils	38,400 m	76,800 m	
1073212	3.0 x 0.4	3.1 + 0.3	0.4 ± 0.1	700	36 Coils	25,200 m	50,400 m	✓
1073593	3.5 x 0.4	3.6 + 0.3	0.4 ± 0.1	600	4 Coils	2,400 m		✓
1073063	3.5 x 0.5*	3.6 + 0.3	0.55 ± 0.05	500	4 Coils	2,000 m	36,000 m	✓
1073222	4.0 x 0.5	4.1 + 0.3	0.5 ± 0.15	500	36 Coils	18,000 m	36,000 m	✓
1073582	4.5 x 0.5	4.6 + 0.3	0.5 ± 0.15	500	3 Coils	1,500 m		
1073232	5.0 x 0.6	5.1 + 0.3	0.6 ± 0.15	500	25 Coils	12,500 m	25,000 m	
1073237	5.5 x 0.6*	5.6 + 0.3	0.6 ± 0.15	500	25 Coils	12,500 m	24,000 m	✓
1073242	6.0 x 0.6	6.1 + 0.3	0.6 ± 0.15	400	25 Coils	10,000 m	20,000 m	✓
1073238	6.5 x 0.6*	6.6 + 0.3	0.6 ± 0.15	400	25 Coils	10,000 m	20,000 m	✓
1073239	7.06 x 0.6*	7.1 + 0.3	0.6 ± 0.15	500	6 Coils	3,000 m	6,000 m	✓
1073252	7.0 x 0.7	7.1 + 0.3	0.7 ± 0.15	500	6 Coils	3,000 m	6,000 m	✓
1073693	7.0 x 0.9*	7.1 + 0.3	0.9 ± 0.2	500	10 Coils	5,000 m	10,000 m	✓
1073262	8.0 x 0.7	8.1 + 0.3	0.7 ± 0.15	500	6 Coils	3,000 m	6,000 m	✓
1073272	9.0 x 0.7	9.1 + 0.4	0.7 ± 0.15	400	6 Coils	2,400 m	4,800 m	✓
1073282	10.0 x 0.7	10.1 + 0.4	0.7 ± 0.15	300	6 Coils	1,800 m	3,600 m	
1073292	11.0 x 0.7	11.1 + 0.4	0.7 ± 0.15	250	6 Coils	1,500 m	3,000 m	

Mat. no.	Nominal size di x s (mm)	Internal Ø di (mm) Admissible deviation	Wall thickness s (mm) Admissible deviation	Delivery on coils (m)	Content/ box	Total quantity/ box	Total quantity/ palette	Available from stock
1073302	12.0 x 0.8	12.1 + 0.4	0.8 ± 0.15	250	5 Coils	1,250 m	2,500 m	✓
1073312	13.0 x 0.8	13.1 + 0.5	0.8 ± 0.2	200	5 Coils	1,000 m	2,000 m	✓
1073632	13.0 x 0.9*	13.1 + 0.5	0.9 ± 0.2	200	5 Coils	1,000 m		✓
1073622	13.0 x 1.0*	13.1 + 0.5	1.0 ± 0.2	200	5 Coils	1,000 m		✓
1073324	14.0 x 0.8*	14.1 + 0.5	0.8 ± 0.2	200	5 Coils	1,000 m	2,000 m	✓
1073322	14.0 x 1.0	14.1 + 0.5	1.0 ± 0.2	200	5 Coils	1,000 m	2,000 m	✓
1073332	15.0 x 0.8*	15.1 + 0.5	0.8 ± 0.2	150	4 Coils	600 m	1,200 m	
1073342	16.0 x 1.0	16.1 + 0.6	1.0 ± 0.2	150	4 Coils	600 m	1,200 m	
1073352	17.0 x 1.0*	17.1 + 0.6	1.0 ± 0.2	150	4 Coils	600 m	1,200 m	
1073362	18.0 x 1.0	18.1 + 0.6	1.0 ± 0.2	100	4 Coils	400 m	800 m	✓
1073372	19.0 x 1.0*	19.1 + 0.6	1.0 ± 0.2	100	4 Coils	400 m	800 m	
1073382	20.0 x 1.2	20.1 + 0.6	1.2 ± 0.2	100	4 Coils	400 m	800 m	✓
1073392	21.0 x 1.2*	21.1 + 0.7	1.2 ± 0.2	75	4 Coils	300 m	600 m	✓
1073402	22.0 x 1.2	22.1 + 0.7	1.2 ± 0.2	75	4 Coils	300 m	600 m	✓
1073502	23.0 x 1.2*	23.1 + 0.7	1.2 ± 0.2	75	4 Coils	300 m	600 m	✓
1073512	24.0 x 1.2*	24.1 + 0.7	1.2 ± 0.2	50	5 Coils	250 m	500 m	✓
1073892	25.0 x 1.2	25.1 + 0.7	1.2 ± 0.2	50	4 Coils	200 m	400 m	✓
1073762	26.0 x 1.2*	26.1 + 0.7	1.2 ± 0.2	50	4 Coils	200 m	400 m	
1073902	27.0 x 1.2*	27.1 + 0.8	1.2 ± 0.2	50	4 Coils	200 m	400 m	✓
1073872	28.0 x 1.2*	28.1 + 0.8	1.2 ± 0.2	50	4 Coils	200 m	400 m	
1073912	29.0 x 1.2*	29.1 + 0.9	1.2 ± 0.2	50	4 Coils	200 m	400 m	✓
1073922	30.0 x 1.2	30.1 + 0.9	1.2 ± 0.2	150	4 Coils	200 m	400 m	
1073153	32.0 x 1.2*	32.1 + 0.9	1.2 ± 0.2	50	4 Coils	200 m		✓
1073804	33.0 x 1.2*	33.1 + 0.9	1.2 ± 0.2	50	4 Coils	200 m	400 m	✓

\* Dimensions outside DIN 40621, sheet 1

## 08 Cold-resistant hoses made from RAU-PVC 8589 to DIN 40621

### Colour

RAL 9005 black  
Other colours on request.

### Labelling

A blue marking strip is printed as standard. This can be omitted if desired.

### Delivery period

These materials are not available from stock. We will be pleased to let you know the minimum quantities and delivery periods on request.



### Notes

Insulating hoses of nominal size 4.0 x 0.5 to 28.0 x 1.2 mm are supplied filled with air and sealed at the ends.

### Packaging

Coils in a box.

Mat. no.	Nominal size di x s (mm)	Internal Ø di (mm) Admissible deviation	Wall thickness s (mm) Admissible deviation	Delivery on coils (m)	Available from stock
1073742	3.5 x 0.4	3.6 + 0.3	0.4 ± 0.1	500	
1073503	4.0 x 0.5	4.1 + 0.3	0.5 ± 0.15	500	
1073642	5.0 x 0.45*	5.1 + 0.3	0.45 ± 0.11	300	
1073412	5.0 x 0.6	5.1 + 0.3	0.6 ± 0.15	500	
1073422	6.0 x 0.6	6.1 + 0.3	0.6 ± 0.15	400	
1073113	7.0 x 0.6*	7.1 + 0.3	0.6 ± 0.15	250	
1073432	7.0 x 0.7	7.1 + 0.3	0.7 ± 0.15	500	
1073442	8.0 x 0.7	8.1 + 0.3	0.7 ± 0.15	500	
1073452	9.0 x 0.7	9.1 + 0.4	0.7 ± 0.15	400	
1073013	10.0 x 0.7	10.1 + 0.4	0.7 ± 0.15	300	
1073753	12.0 x 0.8	12.1 + 0.4	0.8 ± 0.15	250	
1073492	13.0 x 0.8	13.1 + 0.5	0.8 ± 0.2	200	
1073462	14.0 x 1.0	14.1 + 0.5	1.0 ± 0.2	200	
1073592	14.0 x 1.2*	14.1 + 0.5	1.2 ± 0.2	150	
1073313	15.0 x 1.0*	15.1 + 0.5	1.0 ± 0.2	150	
1073522	15.0 x 1.2*	15.1 + 0.5	1.2 ± 0.2	150	
1073482	16.0 x 1.0	16.1 + 0.6	1.0 ± 0.2	150	
1073323	17.0 x 1.0*	17.1 + 0.6	1.0 ± 0.2	100	
1073532	17.0 x 1.2*	17.1 + 0.6	1.2 ± 0.2	100	
1073472	18.0 x 1.0	18.1 + 0.6	1.0 ± 0.2	150	
1073003	19.0 x 1.0*	19.1 + 0.6	1.0 ± 0.2	100	

<b>Mat. no.</b>	<b>Nominal size di x s (mm)</b>	<b>Internal Ø di (mm) Admissible deviation</b>	<b>Wall thickness s (mm) Admissible deviation</b>	<b>Delivery on coils (m)</b>	<b>Available from stock</b>
1073542	19.2 x 1.2*	19.1 + 0.6	1.2 ± 0.2	100	
1073602	20.0 x 1.0	20.1 + 0.6	1.0 ± 0.2	100	
1073572	21.0 x 1.2*	21.1 + 0.7	1.2 ± 0.2	75	
1073333	22.0 x 1.0	22.1 + 0.7	1.0 ± 0.2	100	
1073562	22.0 x 1.2	22.1 + 0.7	1.2 ± 0.2	75	
1073882	25.0 x 1.2	25.1 + 0.7	1.2 ± 0.2	50	
1073343	26.0 x 1.0*	26.1 + 0.7	1.0 ± 0.2	50	
1073652	26.0 x 1.2*	26.1 + 0.7	1.2 ± 0.2	50	
1073353	28.0 x 1.0*	28.1 + 0.8	1.0 ± 0.2	50	
1073552	28.0 x 1.2*	28.1 + 0.8	1.2 ± 0.2	50	

\* Dimensions outside DIN 40621, sheet 1

## 09 UL-compliant hoses made from RAU-PVC 9148/-PVC 8711 – heat-resistant to UL 224 (E 44854)

### Colour

The standard colour is RAL 9005 black. Other colours are possible with no UL listing.

All colours (other than transparent colour) are available in material version RAU-PVC 8711 (oil and heat-resistant, UL-listed PVC formulation).

### Delivery period

These materials are not available from stock.  
Delivery period on request.



### Notes

The hoses can be filled with air.

### Packaging

Coils in a box.

Mat. no.	Nominal size di x s (mm)	Internal Ø di (mm) Admissible deviation	Wall thickness s (mm) Admissible deviation	Delivery on coils (m)	Available from stock
1058010	0.55 x 0.50	0.50 + 0.15	0.50 - 0.05	200	
1058020	0.85 x 0.50	0.80 + 0.20	0.50 - 0.05	100	
1058041	0.95 x 0.50	0.05 + 0.30	0.50 + 0.01 / - 0.04	100	
1058030	1.05 x 0.50	1.15 + 0.30	0.50 + 0.01 / - 0.04	100	
1058001	1.15 x 0.45	1.15 + 0.30	0.45 + 0.04 / - 0.01	200	
1058040	1.50 x 0.60	1.60 + 0.30	0.60 + 0.01 / - 0.04	100	
1058510	1.75 x 0.60	1.85 + 0.30	0.60 + 0.01 / - 0.04	200	
1058190	2.00 x 0.60	2.10 + 0.30	0.60 + 0.01 / - 0.04	100	
1058050	2.15 x 0.60	2.25 + 0.30	0.60 + 0.01 / - 0.04	100	
1058500	2.40 x 0.60	2.50 + 0.30	0.60 + 0.01 / - 0.04	100	
1058060	2.70 x 0.60	2.80 + 0.30	0.60 + 0.01 / - 0.04	100	
1058070	3.00 x 0.60	3.10 + 0.30	0.60 + 0.01 / - 0.04	100	
1058080	3.40 x 0.60	3.50 + 0.30	0.60 + 0.01 / - 0.04	100	
1058210	4.00 x 0.60	4.10 + 0.30	0.60 + 0.01 / - 0.04	100	
1058004	4.00 x 1.00	4.10 + 0.30	1.00 + 0.01 / - 0.10	200	
1058090	4.20 x 0.60	4.30 + 0.30	0.60 + 0.01 / - 0.04	100	
1058100	4.70 x 0.60	4.80 + 0.30	0.60 + 0.01 / - 0.04	100	
1058220	5.00 x 0.60	5.10 + 0.30	0.60 + 0.01 / - 0.04	100	
1058110	5.30 x 0.60	5.40 + 0.30	0.60 + 0.01 / - 0.04	100	
1058330	6.00 x 0.60	6.10 + 0.30	0.60 + 0.01 / - 0.04	100	
1058006	6.00 x 1.00	6.10 + 0.30	1.00 + 0.01 / - 0.10	200	
1058460	6.70 x 0.35*	6.80 + 0.30	0.35 - 0.05	100	
1058120	6.70 x 0.60	6.80 + 0.30	0.60 + 0.01 / - 0.04	100	

<b>Mat. no.</b>	<b>Nominal size di x s (mm)</b>	<b>Internal Ø di (mm) Admissible deviation</b>	<b>Wall thickness s (mm) Admissible deviation</b>	<b>Delivery on coils (m)</b>	<b>Available from stock</b>
1058370	7.00 x 0.60	7.10 + 0.30	0.60 + 0.01 / - 0.04	100	
1058130	7.45 x 0.60	7.55 + 0.30	0.60 + 0.01 / - 0.04	100	
1058490	8.00 x 0.60	8.10 + 0.30	0.60 + 0.01 / - 0.04	100	
1058008	8.00 x 1.00	8.10 + 0.30	1.10 + 0.01 / - 0.10	200	
1058140	8.40 x 0.60	8.50 + 0.30	0.60 + 0.01 / - 0.04	100	
1058150	9.50 x 0.60	9.60 + 0.30	0.60 + 0.01 / - 0.04	100	
1058160	11.10 x 0.60	11.20 + 0.40	0.60 + 0.01 / - 0.04	100	
1058430	11.25 x 0.85	11.35 + 0.40	0.85 - 0.15	300	
1058410	12.00 x 1.20	12.10 + 0.40	1.20 - 0.20	200	
1058170	12.70 x 0.60*	12.80 + 0.50	0.60 + 0.01 / - 0.04	100	
1058003	12.70 x 0.75	12.80 + 0.50	0.75 - 0.06	100	
1058240	14.00 x 0.75	14.10 + 0.50	0.75 - 0.06	100	
1058230	15.00 x 0.75	15.10 + 0.50	0.75 - 0.06	100	
1058350	16.00 x 0.75*	16.10 + 0.50	0.75 - 0.06	100	
1058180	20.00 x 0.85	20.10 + 0.60	0.85 - 0.08	100	
1058340	23.00 x 0.85	23.10 + 0.60	0.85 - 0.08	100	
1058270	26.00 x 0.85*	26.10 + 0.70	0.85 - 0.08	100	
1058031	31.80 x 0.95*	31.80 + 1.00	0.85 - 0.09	100	

\* Dimensions outside UL224

## 10 Oil-resistant hoses made from RAU-PVC 9311 – resistant to oil and impregnating varnish

### Colour

On request.

### Delivery period

These materials are not available from stock.  
Delivery period on request.

### Notes

The hoses can be filled with air.

### Packaging

Coils in a box.



Mat. no.	Nominal size di x s (mm)	Internal Ø di (mm) Adm. dev.	Wall thickness s (mm) Adm. dev.	Delivery on coils (m)	Available from stock
1059000	0.55 x 0.50	0.50 + 0.15	0.50 - 0.05	200	
1059010	0.85 x 0.50	0.8 + 0.2	0.50 - 0.05	100	
1059030	1.05 x 0.50	1.15 + 0.3	0.50 + 0.01 / - 0.04	100	
1059020	1.5 x 0.60	1.6 + 0.3	0.60 + 0.01 / - 0.04	100	
1059040	2.0 x 0.60	2.1 + 0.3	0.60 + 0.01 / - 0.04	100	
1059050	2.15 x 0.60	2.25 + 0.3	0.60 + 0.01 / - 0.04	100	
1059060	2.7 x 0.60	2.8 + 0.4	0.60 + 0.01 / - 0.04	100	
1059070	3.0 x 0.60	3.1 + 0.4	0.60 + 0.01 / - 0.04	100	
1059080	3.4 x 0.60	3.5 + 0.4	0.60 + 0.01 / - 0.04	100	
1059090	4.0 x 0.60	4.1 + 0.3	0.60 + 0.01 / - 0.04	100	
1059100	4.2 x 0.60	4.3 + 0.3	0.60 + 0.01 / - 0.04	100	
1059110	4.7 x 0.60	4.8 + 0.3	0.60 + 0.01 / - 0.04	100	
1059120	5.0 x 0.60	5.1 + 0.3	0.60 + 0.01 / - 0.04	100	
1059130	5.3 x 0.60	5.4 + 0.3	0.60 + 0.01 / - 0.04	100	
1059140	6.0 x 0.60	6.1 + 0.3	0.60 + 0.01 / - 0.04	100	
1059270	6.6 x 0.63	6.3 + 0.3	0.60 + 0.05 / - 0.05	100	
1059150	6.7 x 0.60	6.8 + 0.3	0.60 + 0.01 / - 0.04	100	
1059160	7.0 x 0.60	7.1 + 0.3	0.60 + 0.01 / - 0.04	100	
1059170	7.45 x 0.60	7.55 + 0.3	0.60 + 0.01 / - 0.04	100	
1059180	8.4 x 0.60	8.5 + 0.3	0.60 + 0.01 / - 0.04	100	
1059190	9.5 x 0.60	9.6 + 0.3	0.60 + 0.01 / - 0.04	100	
1059200	11.1 x 0.60	11.2 + 0.4	0.60 + 0.01 / - 0.04	100	
1059210	12.7 x 0.60	12.8 + 0.5	0.60 + 0.01 / - 0.04	100	
1059220	14.0 x 0.75	14.1 + 0.5	0.75 - 0.06	100	
1059230	15.0 x 0.75	15.1 + 0.5	0.75 - 0.06	100	
1059240	20.0 x 0.85	20.1 + 0.6	0.85 - 0.08	100	
1059250	23.0 x 0.85	23.1 + 0.6	0.85 - 0.08	100	
1059260	26.0 x 0.85	26.1 + 0.7	0.85 - 0.08	100	

## 11 Abrasion-resistant hoses made from RAU-PUR 2610 – resistant to wear

### Colour

Black 98200

Other colours on request.

### Delivery period

Nearly all materials in the colour black 98200 are available immediately from stock.

### Notes

The hoses can be filled with air.

### Packaging

2 reels in a box.



Mat. no.	Nominal size (mm)	Internal Ø (mm)		External Ø (mm)		Packaging on reels (m)	Total quantity/ box	Total quantity/ box	Available from stock
		di	Adm. dev.	da	Adm. dev.				
1874493	2.5	2.5	+ 0.3	3.5	- 0.3	1,000	2,000	24,000	✓
1874792	3.0	3.0	+ 0.3	4.0	- 0.3	1,000	2,000	24,000	✓
1874802	3.5	3.5	+ 0.3	5.7	- 0.3	1,000	2,000	12,000	
1874812	4.0	4.0	+ 0.3	5.2	- 0.3	1,000	2,000	24,000	✓
1874822	4.5	4.5	+ 0.3	5.9	- 0.3	1,000	2,000	24,000	
1874832	5.0	5.0	+ 0.3	6.4	- 0.3	900	1,800	21,600	
1874842	6.0	6.0	+ 0.3	7.4	- 0.4	650	1,300	15,600	✓
1874373	6.5	6.5	+ 0.3	8.0	- 0.4	600	1,200	14,400	
1874852	7.0	7.0	+ 0.3	8.5	- 0.4	500	1,000	12,000	✓
1874862	8.0	8.0	+ 0.3	9.6	- 0.4	400	800	9,600	
1874872	8.6	8.6	+ 0.3	10.2	- 0.4	350	700	8,400	
1874882	9.0	9.0	+ 0.3	10.6	- 0.4	300	600	7,200	
1874892	10.0	10.0	+ 0.3	11.6	- 0.4	250	500	6,000	✓
1874902	11.0	11.0	+ 0.3	13.2	- 0.4	200	500	6,000	✓
1874912	12.0	12.0	+ 0.4	13.8	- 0.4	200	400	4,800	
1874922	12.0	12.0	+ 0.4	14.6	- 0.4	150	300	3,600	
1874942	14.0	14.0	+ 0.4	16.2	- 0.4	150	300	3,600	
1874952	15.0	15.0	+ 0.4	17.2	- 0.5	120	240	2,880	
1874962	16.0	16.0	+ 0.4	18.3	- 0.5	110	220	2,640	
1874972	18.0	18.0	+ 0.4	20.3	- 0.5	80			
1874103	19.0	19.0	+ 0.6	21.3	- 0.6	75			
1874982	20.0	20.0	+ 0.6	22.3	- 0.6	75			

In the material version RAU-PUR 2611, various microbially stable formulations are available, e.g. BASF Elastollan 1185 A 10 M. Product information no. 15F700 is available for you about this.

## 12 Special hoses made from RAU-EMPP 554 – thermoplastic rubber

**Colour**

Black 98001

**Delivery period**

On request

**Material**

Santoprene 251 – 80 W232, thermoplastic elastomer  
in accordance with BOSCH standard N28 NS01 S036  
(April 2018)



Mat. no.	Nominal size di x s (mm)	Internal Ø di (mm) Admissible deviation	Wall thickness s (mm) Admissible deviation	Delivery on coils (m)	Available from stock
1073763	7.0 x 0.75	7.1 + 0.3	0.75 ± 0.15	100	
1073773	8.0 x 0.8	8.1 + 0.3	0.8 ± 0.15	100	
1073853	10.0 x 0.7	10.1 + 0.4	0.7 ± 0.15	250	
107376	12.0 x 0.8	12.1 + 0.4	0.8 ± 0.15	200	

## 13 Special hoses for extremes made from RAU-SIK 8253 – resistant to high temperatures

### Colour

Colour no. 13926, yellow

Colour no. 650, black

Other colours on request.

### Delivery period

These articles are not available from stock.

Delivery period on request.

### Notes

To increase the slip when retracting the cables,  
the hoses are talcum powdered internally.



### Packaging

Coils in a box.

Mat. no.	Nominal size di x s (mm)	Internal Ø di (mm) Admissible deviation	Wall thickness s (mm) Admissible deviation	VW-Normteil- No.	Delivery on coils (m)	Available from stock
1800813	5/1	± 0.2	± 0.15	N.903.220	auf Anfrage	
1801083	7/1	± 0.2	± 0.15	---	auf Anfrage	
1800823	9/1	± 0.2	± 0.15	N.903.219	auf Anfrage	
1800833	11/1	± 0.3	± 0.15	N.908.080	auf Anfrage	
1800843	12/1	± 0.3	± 0.15	N.903.218	auf Anfrage	
1800853	13/1	± 0.3	± 0.15	N.908.896	auf Anfrage	
1800863	14/1	± 0.3	± 0.15	N.908.394	auf Anfrage	

The insulating hoses in RAU-SIK are listed with various well-known manufacturers and have the relevant prototype approvals.

# Expertise for hose technology

We are your partner for hoses and fluid technology. Together with you, we develop new formulations and product solutions. Talk to us!



- [1] RAUCROSS shrink hoses for industrial technology
- [2] Coolant hoses for equipment and machinery construction
- [3] Hydraulic hoses for the automotive industry
- [4] Silicone hoses and profiles for almost all industries and applications



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