

RAU-Flight PA592 R1020

Article number 19035081001

PA 12 with flame retardant and Glass Bubbles®, natural color

Properties	Standard	Unit	Value/Range
Density	DIN EN ISO 1183	[g/cm ³]	0,99 ± 0,03
Tensile Strength	DIN EN ISO 527-2 Specimen: 1A V = 5mm/min	[MPa]	35
Tensile Strain at Break	DIN EN ISO 527-2 Specimen: 1A V = 5mm/min	[%]	2,5
Tensile Modulus	DIN EN ISO 527-2 Specimen: 1A V = 1mm/min	[MPa]	> 2000
Charpy Impact Strength	DIN EN ISO 179-1/1eU Specimen: 80x10x4mm 23°C	kJ/m ²	17 (complete break)
Charpy Impact Strength (notched)	DIN EN ISO 179-1/1eA Specimen: 80x10x4mm 23°C	kJ/m ²	2,5 (complete break)
Temperature of Deflection under Load	DIN EN ISO 75-2 A Load: 1,8MPa Flatwise	[°C]	> 45
Content of Glass Hollow Spheres	DIN EN ISO 1172 A 625°C pre-dried at 105°C	[%]	13 ± 0,4

Remarks:

All measurements were performed on injection molded test specimen under standard conditions. The material was pre-dried at 90°C for 4h and injection molded at barrel temperatures of 230°C (Feed) / 250°C (Middle) / 255°C (Nozzle) at an injection pressure of 820bar. Afterwards the specimens were stored for 72 hours at 23°C / 50% rel. humidity before the measurements.

Processing recommendations:

The information given here is based on empirical values and can therefore only be understood as guidance with non-binding effect. For this reason we kindly ask you check that the products concerned are suitable for the purpose for which you intend to use them. On the basis of our general terms and conditions we can only guarantee the delivery of constant quality as set forth in the purchase agreement.