Technical Data Sheet

SCHULAREC PA 66 GF 35 H

Polyamide 66

Product Description
35% glass fiber reinforced and heat stabilized, recycled grade

General	
Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.38 to 1.42 g/cm³	1.38 to 1.42 g/cm³	ISO 1183/A
Molding Shrinkage			ISO 294-4
Across Flow	0.80 to 1.2 %	0.80 to 1.2 %	
Flow	0.30 to 0.50 %	0.30 to 0.50 %	
Water Absorption - (23°C, water)	5.0 to 7.0 %	5.0 to 7.0 %	GE
Viscosity Number			ISO 307
96% H2SO4 (Sulphuric Acid)	125 to 145 cm³/g	125 to 145 cm³/g	
Humidity Absorption - (23°C, 50% R. H.)	1.4 to 2.2 %	1.4 to 2.2 %	ISO 62
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	1.45E+6 psi	10000 MPa	ISO 527-2/1A/1
Tensile Stress (Break)	21800 psi	150 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.2 %	3.2 %	ISO 527-2/1A/5
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	3.6 ft·lb/in²	7.5 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
73°F (23°C)	26 ft·lb/in²	55 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Melting Temperature [1]	500 °F	260 °C	ISO 11357-3
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate			
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302
Flame Rating			ISO 1210
0.031 in (0.8 mm)	HB	HB	
0.06 in (1.6 mm)	HB	HB	

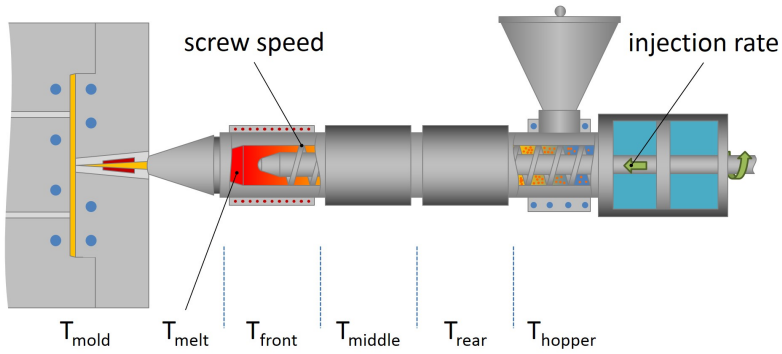
Additional Information	Nominal Value (English)	Nominal Value (SI)
Residual Humidity	< 0.20 %	< 0.20 %

1.) Not for use in food contact applications
2.) Not for use in medical or pharmaceutical applications

Technical Data Sheet

SCHULAREC PA 66 GF 35 H

Polyamide 66



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Suggested Max Regrind	20 %	20 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

Notes

[1] DSC

Notes

These are typical property values not to be construed as specification limits.