Technical Data Sheet

SCHULAREC PA 66 GF 30 H K2514

Polyamide 66

Product Description
30% glass fiber reinforced and heat stabilized, recycled grade based on a PA66 compound

General	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	136 g/cm³	136 g/cm³	ISO 1183
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)	145 cm³/g	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	1.16E+6 psi	8000 MPa	ISO 527-2/1A/1
Tensile Strength (Break)	22300 psi	154 MPa	ASTM D638
Tensile Strain (Break)	2.6 %	2.6 %	ISO 527-2/1A/5
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	3.2 ft·lb/in²	6.8 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
73°F (23°C)	25 ft·lb/in²	52 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

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

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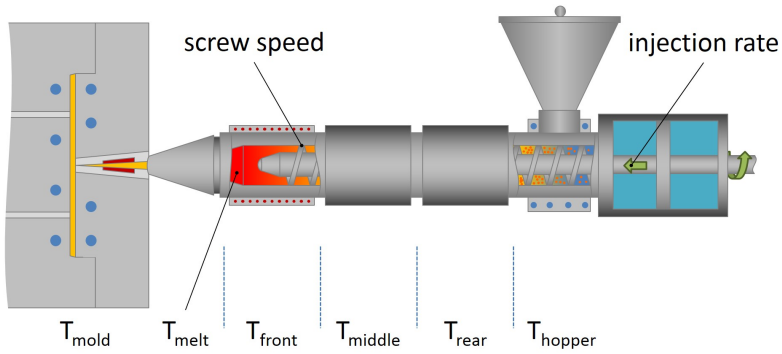

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Suggested Max Regrind	20 %	20 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120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

Notes

[1] DSC

Notes

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