

Technical Data Sheet



SCHULAREC PA 66/6 GF 30 H K2512

Polyamide 66 Alloy

Product Description

30% glass fiber reinforced, heat stabilized Polyamide 66 + Polyamide 6 compound of remanufactured Polyamide materials

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Heat Aging Resistant • Medium Viscosity
Processing Method	• Injection Molding

Physical

	Dry	Conditioned	Unit	Test Method
Density	1.37	--	g/cm ³	ISO 1183/A
Viscosity Number	140	--	cm ² /g	ISO 307

Mechanical

	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.19E+6 (8200)	--	psi (MPa)	ISO 527-2/1A/1
Tensile Stress (Break)	19600 (135)	--	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	2.4	--	%	ISO 527-2/1A/5

Impact

	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°F (23°C))	2.4 (5.0)	--	ft·lb/in ² (kJ/m ²)	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	20 (43)	--	ft·lb/in ² (kJ/m ²)	ISO 179/1eU

Thermal

	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	401 (205)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature	> 482 (> 250)	--	°F (°C)	ISO 306/A50 ISO 306/B50

Flammability

	Dry	Conditioned	Unit	Test Method
Burning Rate 0.0787 in (2.00 mm)	< 3.9 (< 100)	--	in/min (mm/min)	ISO 3795
0.0787 in (2.00 mm)	< 3.9 (< 100)	--	in/min (mm/min)	FMVSS 302

Additional Information

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

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Injection	Dry (English)	Dry (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

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