

TULAMID® PA-SV30-IR

Polyamide 6
UCC Shchekinoazot

Message:

Polyamide 6 glass-filled impact-resistant is an engineering plastic based on thermoplastic polymer - polyamide 6 - and fiber glass that changes its properties.

Application

Polyamide 6 glass-filled impact-resistant is used for production of machine components, high-tech, industrial and consumer products.

General Information		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight	
Features	High Impact Resistance	
	Non-Toxic	
Uses	Consumer Applications	
	Industrial Applications	
	Machine/Mechanical Parts	
Forms	Granules	
Physical	Nominal Value	Unit
Density	1.30 to 1.40	g/cm ³
Molding Shrinkage - Flow	0.40 to 0.80	%
Particle Size Distribution - 2-5 mm	> 97	%
Mechanical	Nominal Value	Unit
Tensile Strength		
Across Flow : Break	> 200	MPa
--	> 135	MPa
Tensile Elongation (Break)	> 5.0	%
Impact	Nominal Value	Unit
Charpy Unnotched Impact Strength	> 65	kJ/m ²
Thermal	Nominal Value	Unit
Melting Temperature	210 to 230	°C
Electrical	Nominal Value	Unit
Surface Resistivity	> 1.0E+13	ohms
Volume Resistivity	> 1.0E+13	ohms · cm
Dielectric Strength	> 20	kV/mm

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