

TULAMID® PA-SV40-LT

Polyamide 6
UCC Shchekinoazot

Message:

Polyamide 6 glass-filled is an engineering plastic based on thermoplastic polymer - polyamide 6 - and fiber glass that changes its properties. Polyamide 6 glass-filled moulding is also produced heat treated.

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

General Information		
Filler / Reinforcement	Glass Fiber,40% Filler by Weight	
Additive	Heat Stabilizer	
Features	Heat Stabilized	
	Non-Toxic	
Uses	Consumer Applications	
	Industrial Applications	
	Machine/Mechanical Parts	
Forms	Granules	
Processing Method	Injection Molding	
Physical	Nominal Value	Unit
Density	1.33 to 1.38	g/cm³
Molding Shrinkage - Flow	0.50 to 0.80	%
Particle Size Distribution - 2-5 mm	> 97	%
Mechanical	Nominal Value	Unit
Tensile Strength		
Across Flow : Break	> 230	MPa
--	> 165	MPa
Tensile Elongation (Break)	3.0	%
Flexural Modulus	> 8000	MPa
Impact	Nominal Value	Unit
Charpy Unnotched Impact Strength	> 50	kJ/m²
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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

