

TULAMID® PA-TM20

Polyamide 6
UCC Shchekinoazot

Message:

Polyamide 6 mineral-filled is an engineering plastic based on thermoplastic polymer - polyamide 6 - and mineral stuff - talc and mica- that changes its properties.
Application
Polyamide 6 mineral-filled is applied for production of machine components, high-tech, industrial and consumer products.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Non-Toxic		
Uses	Consumer Applications		
	Industrial Applications		
	Machine/Mechanical Parts		
Forms	Granules		
Physical	Nominal Value	Unit	Test Method
Density	1.25 to 1.31	g/cm ³	Internal Method
Molding Shrinkage - Flow	0.60 to 0.80	%	Internal Method
Particle Size Distribution - 2-5 mm	> 97	%	
Hardness	> 137	MPa	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			Internal Method
Across Flow : Break	> 100	MPa	
--	> 60.0	MPa	
Tensile Elongation (Break)	> 6.0	%	Internal Method
Flexural Modulus	> 2800	MPa	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	> 70	kJ/m ²	Internal Method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	210 to 230	°C	Internal Method
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+13	ohms	Internal Method
Volume Resistivity	> 1.0E+13	ohms · cm	Internal Method
Dielectric Strength	> 20	kV/mm	Internal Method

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