



PTS- Creamid B3H2G3ZB*800

Teknor Apex Company (Chem Polymer) - Polyamide 6

General Information

General

Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.70	%	
Flow	0.30	%	
Water Absorption (Saturation, 73°F)	6.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	899000	psi	ISO 527-2
Tensile Stress (Break)	16000	psi	ISO 527-2
Tensile Strain (Break)	3.2	%	ISO 527-2
Flexural Modulus (73°F)	667000	psi	ISO 178
Flexural Stress	20300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.7	ft-lb/in ²	ISO 179
Charpy Unnotched Impact Strength (73°F)	29	ft-lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	5.7	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	392	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	320	°F	ISO 75-2/A
Vicat Softening Temperature			
--	419	°F	ISO 306/A
--	374	°F	ISO 306/B
Melting Temperature	432	°F	ISO 11357-3

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Nozzle Temperature	482	°F
Processing (Melt) Temp	446 to 500	°F
Mold Temperature	158 to 194	°F

Notes

¹ Typical properties: these are not to be construed as specifications.