



PTS- Creamid B3H2G6Z2*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	Dry	Conditioned	Unit	Test Method
Density	1.32	1.32	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.90	0.90	%	
Flow	0.30	0.30	%	
Water Absorption (24 hr, 73°F)	0.90	0.90	%	ISO 62
Water Absorption				ISO 62
Saturation, 73°F	5.5	5.5	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.26E+6	754000	psi	ISO 527-2
Tensile Stress (Break)	21800	14500	psi	ISO 527-2
Tensile Strain (Break)	6.0	9.0	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-22°F	9.5	12	ft·lb/in ²	
73°F	11	14	ft·lb/in ²	
Charpy Unnotched Impact Strength				ISO 179
-22°F	38	40	ft·lb/in ²	
73°F	48	57	ft·lb/in ²	
Notched Izod Impact Strength				ISO 180
73°F	11	--	ft·lb/in ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				ISO 75-2/B
66 psi, Unannealed	410	410	°F	
Heat Deflection Temperature				ISO 75-2/A
264 psi, Unannealed	392	392	°F	
Vicat Softening Temperature				
--	428	428	°F	ISO 306/A
--	392	392	°F	ISO 306/B
Melting Temperature	432	432	°F	ISO 11357-3
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.031 in	HB	--		
0.06 in	HB	--		
0.13 in	HB	--		

Processing Information

Injection	Dry	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr

PTS- Creamid B3H2G6Z2*800

Teknor Apex Company (Chem Polymer) - Polyamide 6

Injection	Dry	Unit
Nozzle Temperature	554	°F
Processing (Melt) Temp	455 to 518	°F
Mold Temperature	158 to 212	°F

Notes

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