



PTS- Creamid A3H7G8.2S*9217

Teknor Apex Company (Chem Polymer) - Polyamide 66 + PA 6I/6T

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	1.48	1.48	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.80	0.80	%	
Flow	0.20	0.20	%	
Water Absorption (24 hr, 73°F)	0.60	0.60	%	ISO 62
Water Absorption Saturation, 73°F	3.7	3.7	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.91E+6	1.89E+6	psi	ISO 527-2
Tensile Stress (Break)	31900	30500	psi	ISO 527-2
Tensile Strain (Break)	3.0	3.0	%	ISO 527-2
Flexural Modulus (73°F)	1.52E+6	1.45E+6	psi	ISO 178
Flexural Stress	40600	39900	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength 73°F	5.7	5.7	ft·lb/in ²	ISO 179
Charpy Unnotched Impact Strength 73°F	29	33	ft·lb/in ²	ISO 179
Notched Izod Impact Strength 73°F	5.7	5.7	ft·lb/in ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature 66 psi, Unannealed	491	491	°F	ISO 75-2/B
Heat Deflection Temperature 264 psi, Unannealed	455	455	°F	ISO 75-2/A
Vicat Softening Temperature --	482	482	°F	ISO 306/A
--	464	464	°F	ISO 306/B
Melting Temperature	509	509	°F	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index	--	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.031 in	HB	--		
0.06 in	HB	--		
0.13 in	HB	--		

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Processing Information		
Injection	Dry	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Nozzle Temperature	554	°F
Processing (Melt) Temp	536 to 572	°F
Mold Temperature	176 to 230	°F

Notes

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