



PTS- Creamid A3H7G6.2S*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	1.38	1.38	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	1.0	%	
Flow	0.30	0.30	%	
Water Absorption (24 hr, 73°F)	0.70	0.70	%	ISO 62
Water Absorption				ISO 62
Saturation, 73°F	4.8	4.8	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.45E+6	1.38E+6	psi	ISO 527-2
Tensile Stress (Break)	26100	23900	psi	ISO 527-2
Tensile Strain (Break)	2.8	2.9	%	ISO 527-2
Flexural Modulus (73°F)	1.19E+6	1.16E+6	psi	ISO 178
Flexural Stress	34800	29000	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
73°F	3.8	4.8	ft·lb/in ²	
Charpy Unnotched Impact Strength				ISO 179
73°F	21	21	ft·lb/in ²	
Notched Izod Impact Strength				ISO 180
73°F	3.8	4.8	ft·lb/in ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				ISO 75-2/B
66 psi, Unannealed	491	491	°F	
Heat Deflection Temperature				ISO 75-2/A
264 psi, Unannealed	455	455	°F	
Vicat Softening Temperature				
--	482	482	°F	ISO 306/A
--	455	455	°F	ISO 306/B
Melting Temperature	509	509	°F	ISO 11357-3

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