



PTS- Creamid AH2GX6E*9200

Teknor Apex Company (Chem Polymer) - Polyamide 66

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	1.35	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.2	--	%	
Flow	0.60	--	%	
Water Absorption (24 hr, 73°F)	0.60	--	%	ISO 62
Water Absorption				ISO 62
Saturation, 73°F	5.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.36E+6	--	psi	ISO 527-2
Tensile Stress (Break)	20300	--	psi	ISO 527-2
Tensile Strain (Break)	2.2	--	%	ISO 527-2
Flexural Modulus (73°F)	1.19E+6	--	psi	ISO 178
Flexural Stress	29000	--	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
73°F	4.8	--	ft·lb/in ²	
Charpy Unnotched Impact Strength				ISO 179
73°F	19	--	ft·lb/in ²	
Notched Izod Impact Strength				ISO 180
73°F	4.3	--	ft·lb/in ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				ISO 75-2/B
66 psi, Unannealed	500	--	°F	
Heat Deflection Temperature				ISO 75-2/A
264 psi, Unannealed	482	--	°F	
Vicat Softening Temperature				
--	486	--	°F	ISO 306/A
--	473	--	°F	ISO 306/B
Melting Temperature	496	--	°F	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	2.8E+13	--	ohms	IEC 60093
Volume Resistivity (73°F)	1.8E+14	--	ohms·cm	IEC 60093
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	--		

PTS- Creamid AH2GX6E*9200

Teknor Apex Company (Chem Polymer) - Polyamide 66

Flammability	Dry	Conditioned	Unit	Test Method
Glow Wire Flammability Index				IEC 60695-2-12
0.13 in	1560	--	°F	
Glow Wire Ignition Temperature				IEC 60695-2-13
0.13 in	1430	--	°F	
Oxygen Index	26	--	%	ISO 4589-2

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.