



PTS- Creamid A3H2G6FRS*800

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	1.42	1.42	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.3	1.3	%	
Flow	0.30	0.30	%	
Water Absorption (24 hr, 73°F)	0.80	0.80	%	ISO 62
Water Absorption				ISO 62
Saturation, 73°F	3.3	3.3	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.55E+6	1.31E+6	psi	ISO 527-2
Tensile Stress (Break)	21000	18100	psi	ISO 527-2
Tensile Strain (Break)	3.0	3.0	%	ISO 527-2
Flexural Modulus (73°F)	1.39E+6	1.09E+6	psi	ISO 178
Flexural Stress	26100	21800	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-22°F	3.3	--	ft·lb/in ²	
73°F	4.3	4.3	ft·lb/in ²	
Charpy Unnotched Impact Strength				ISO 179
73°F	21	21	ft·lb/in ²	
Notched Izod Impact Strength				ISO 180
-22°F	3.3	--	ft·lb/in ²	
73°F	3.8	3.8	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
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index	--	600	V	IEC 60112

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Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.016 in	V-0	V-0		
0.031 in	V-0	V-0		
0.06 in	V-0	V-0		
0.13 in	V-0	V-0		
Glow Wire Flammability Index				IEC 60695-2-12
0.031 in	1760	1760	°F	
0.06 in	1760	1760	°F	
Glow Wire Ignition Temperature				IEC 60695-2-13
0.031 in	1470	1470	°F	
0.06 in	1520	1520	°F	
Oxygen Index	30	30	%	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	518 to 572	°F	
Mold Temperature	176 to 230	°F	

Notes

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