

PTS- Creamid A3H7G10.2S*9217

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

Sunday, May 6, 2018

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	1.58	1.58	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.40	0.40	%	
Flow	0.10	0.10	%	
Water Absorption (23°C, 24 hr)	0.40	0.40	%	ISO 62
Water Absorption				ISO 62
Saturation, 23°C	3.0	3.0	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	17500	17000	MPa	ISO 527-2
Tensile Stress (Break)	245	240	MPa	ISO 527-2
Tensile Strain (Break)	3.0	3.0	%	ISO 527-2
Flexural Modulus (23°C)	13500	12500	MPa	ISO 178
Flexural Stress	340	330	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-30°C	15	15	kJ/m ²	
23°C	15	16	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179
-30°C	70	60	kJ/m ²	
23°C	75	75	kJ/m ²	
Notched Izod Impact Strength				ISO 180
23°C	14	15	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				ISO 75-2/B
0.45 MPa, Unannealed	255	255	°C	
Heat Deflection Temperature				ISO 75-2/A
1.8 MPa, Unannealed	235	235	°C	
Vicat Softening Temperature				
--	250	250	°C	ISO 306/A
--	240	240	°C	ISO 306/B
Melting Temperature	265	265	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Electric Strength (2.00 mm)	33	--	kV/mm	IEC 60243-1
Comparative Tracking Index	--	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.8 mm	HB	--		
1.6 mm	HB	--		
3.2 mm	HB	--		

Revision Date: 4/12/2018

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Processing Information

Injection	Dry Unit
Drying Temperature	80 °C
Drying Time	2.0 to 4.0 hr
Nozzle Temperature	290 °C
Processing (Melt) Temp	280 to 300 °C
Mold Temperature	80 to 110 °C

Notes

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

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