



Creamid® A3H7G6.2S*9217

Teknor Apex Company - Polyamide 66 + PA 6I/6T

General Information

General

Material Status	• Preliminary Data		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density	1.38	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.30	--	%	
Water Absorption (24 hr, 73°F)	0.70	--	%	ISO 62
Water Absorption Saturation, 73°F	4.8	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.45E+6	1.38E+6	psi	ISO 527-1
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
Deflection Temperature Under Load				ISO 75-2/B
66 psi, Unannealed	491	--	°F	
Deflection Temperature Under Load				ISO 75-2/A
264 psi, Unannealed	455	--	°F	
Vicat Softening Temperature				
--	455	--	°F	ISO 306 ²
--	482	--	°F	ISO 306 ³
Melting Temperature	509	--	°F	ISO 11357-3

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Injection	Dry	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	518	°F
Middle Temperature	536	°F
Front Temperature	554	°F
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.

² B (50N)

³ A (10N)