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TEKNOR APEX

Creamid® A2H7GX10.2S*9207/2

Teknor Apex Company - 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	1.58	1.58	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.40	0.40	%	
Flow	0.20	0.20	%	
Water Absorption (24 hr, 73°F)	0.40	0.40	%	ISO 62
Water Absorption				ISO 62
Saturation, 73°F	3.5	3.5	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	2.61E+6	2.54E+6	psi	ISO 527-1
Tensile Stress (Break)	37000	34800	psi	ISO 527-1
Tensile Strain (Break)	3.0	3.0	%	ISO 527-2
Flexural Modulus (73°F)	2.03E+6	1.89E+6	psi	ISO 178
Flexural Stress	49300	47900	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179
73°F	9.0	9.5	ft·lb/in²	
Charpy Unnotched Impact Strength				ISO 179
73°F	36	36	ft·lb/in²	
Notched Izod Impact Strength				ISO 180
73°F	8.6	9.0	ft·lb/in²	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ISO 75-2/B
66 psi, Unannealed	493	493	°F	
Deflection Temperature Under Load				ISO 75-2/A
264 psi, Unannealed	477	477	°F	
Melting Temperature	518	518	°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

Notes

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