+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TEKNOR APEX

Creamid® A3H7G4.2S*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	1.29	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.40	--	%	
Water Absorption (24 hr, 73°F)	0.80	--	%	ISO 62
Water Absorption				ISO 62
Saturation, 73°F	5.0	--	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	1.02E+6	957000	psi	ISO 527-1
Tensile Stress (Break)	19600	18100	psi	ISO 527-2
Tensile Strain (Break)	3.0	3.0	%	ISO 527-2
Flexural Modulus (73°F)	798000	769000	psi	ISO 178
Flexural Stress	25400	22500	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
73°F	2.4	2.4	ft·lb/in²	
Charpy Unnotched Impact Strength				ISO 179/1eU
73°F	17	17	ft·lb/in²	
Notched Izod Impact Strength				ISO 180/A
73°F	2.4	2.4	ft·lb/in²	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ISO 75-2/B
66 psi, Unannealed	482	--	°F	
Deflection Temperature Under Load				ISO 75-2/A
264 psi, Unannealed	446	--	°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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Processing Information

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)