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

TEKNOR APEX

PTS- Creamid A3H2G8.2S*9001

Teknor Apex Company (Chem Polymer) - 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	1.57	1.57	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.40	0.40	%	
Flow	0.10	0.10	%	
Water Absorption (24 hr, 73°F)	0.40	0.40	%	ISO 62
Water Absorption				ISO 62
Saturation, 73°F	3.0	3.0	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	2.54E+6	2.47E+6	psi	ISO 527-2
Tensile Stress (Break)	35500	34800	psi	ISO 527-2
Tensile Strain (Break)	3.0	3.0	%	ISO 527-2
Flexural Modulus (73°F)	1.96E+6	1.81E+6	psi	ISO 178
Flexural Stress	49300	47900	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179
-22°F	7.1	--	ft·lb/in²	
73°F	7.1	7.6	ft·lb/in²	
Charpy Unnotched Impact Strength				ISO 179
-22°F	33	29	ft·lb/in²	
73°F	36	36	ft·lb/in²	
Notched Izod Impact Strength				ISO 180
73°F	6.7	7.1	ft·lb/in²	
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
--	464	464	°F	ISO 306/B
Melting Temperature	509	509	°F	ISO 11357-3
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Electric Strength (0.0787 in)	--	840	V/mil	IEC 60243-1
Comparative Tracking Index	--	600	V	IEC 60112
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Flame Rating				UL 94
0.031 in	HB	HB		
0.06 in	HB	HB		
0.13 in	HB	HB		

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

PTS- Creamid A3H2G8.2S*9001

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

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.