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

TEKNOR APEX

Chemlon® 130 GH

Teknor Apex Company - Polyamide 66

General Information

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber		
Uses	• Automotive Applications		
Automotive Specifications	• FORD WSK-M4D642-A [1]		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [2]

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm³	ISO 1183
Molding Shrinkage - Flow	0.15 to 0.40	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.90	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1.45E+6	psi	ISO 527
Tensile Stress	23900	psi	ISO 527
Tensile Strain (Break)	3.0	%	ISO 527
Flexural Modulus	1.17E+6	psi	ISO 178/A
Flexural Stress	36500	psi	ISO 178/A
Poisson's Ratio	0.34		ASTM E132
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength	> 3.8	ft·lb/in²	ISO 180/A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	464	°F	
Melting Temperature	495	°F	
CLTE - Flow	1.7E-5	in/in/°F	ASTM D696
CLTE - Transverse	3.6E-5	in/in/°F	ASTM D696
Thermal Conductivity	2.5	Btu·in/hr/ft²/°F	ISO 8302
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (0.118 in)	410	V/mil	ASTM D149
Dielectric Constant	3.50		ASTM D150
Comparative Tracking Index (CTI)	600	V	UL 746A
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.030 in)	HB		UL 94
Oxygen Index	25	%	ASTM D2863

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Processing Information

Injection	Nominal Value	Unit
Drying Temperature	175	°F
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	465 to 495	°F
Middle Temperature	505 to 530	°F
Front Temperature	505 to 545	°F
Nozzle Temperature	505 to 545	°F
Processing (Melt) Temp	505 to 540	°F

Notes

[1] Automotive site approvals apply for US manufactured compound only

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