+135-3858-6433 (GuangDong)
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TEKNOR APEX

Chemlon® 133 GHU BK155

Teknor Apex Company - Polyamide 66

General Information

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm³	ISO 1183
Molding Shrinkage	0.15 to 0.40	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.90	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	23200	psi	ISO 527-2
Tensile Strain (Yield)	2.5	%	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	1.25E+6	psi	ISO 178
Flexural Stress	37700	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (73°F)	3.6	ft·lb/in²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	480	°F	
Melting Temperature	495	°F	ASTM D789
CLTE - Flow	2.8E-5	in/in/°F	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+14	ohms·cm	ISO 1325
Dielectric Strength (0.118 in)	410	V/mil	ASTM D149
Comparative Tracking Index	> 600	V	
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.03 in)	HB		UL 94
Oxygen Index	25	%	ISO 4589-2
FMVSS Flammability	PASSED		FMVSS 302
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Color Fastness - delta E after 2500 kJ/m² exposure	< 3.00		SAE J1960

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Processing Information

Injection	Nominal Value	Unit
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	491 to 527	°F
Middle Temperature	509 to 554	°F
Front Temperature	509 to 581	°F
Nozzle Temperature	509 to 563	°F
Processing (Melt) Temp	509 to 554	°F

Notes

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