

Chemlon® 133 GHU BK155

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 133 GHU BK155 is a Polyamide 66 (Nylon 66) material filled with 33% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of Chemlon® 133 GHU BK155: Flame Rated.

General Information			
UL YellowCard	E90654-100046569		
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage	0.15 to 0.40	%	ISO 2577
Water Absorption (23°C, 24 hr)	0.90	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	160	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	2.5	%	
Break	2.5	%	
Flexural Modulus	8600	MPa	ISO 178
Flexural Stress	260	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	7.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	249	°C	ISO 75-2/A
Melting Temperature	257	°C	ASTM D789
CLTE - Flow	5.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ISO 1325
Dielectric Strength (3.00 mm)	16	kV/mm	ASTM D149
Comparative Tracking Index	> 600	V	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.810 mm)	HB		UL 94
Oxygen Index	25	%	ISO 4589-2
FMVSS Flammability	PASSED		FMVSS 302
Color Fastness - delta E after 2500 kJ/m ² exposure	< 3.00		SAE J1960

Injection	Nominal Value	Unit
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	255 to 275	°C
Middle Temperature	265 to 290	°C
Front Temperature	265 to 305	°C
Nozzle Temperature	265 to 295	°C
Processing (Melt) Temp	265 to 290	°C

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