

Chemlon® 113 GHIU BK156

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 113 GHIU BK156 is a Polyamide 66 (Nylon 66) material filled with 13% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of Chemlon® 113 GHIU BK156: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber, 13% Filler by Weight		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Molding Shrinkage	0.30 to 0.70	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	100	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	2.5	%	
Break	2.5	%	
Flexural Modulus	4830	MPa	ISO 178
Flexural Stress	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	8.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	214	°C	ISO 75-2/A
Melting Temperature	257	°C	ASTM D789
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ISO 1325
Dielectric Strength (3.00 mm)	18	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
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Suggested Max Moisture	0.20	%	
Suggested Max Regrind	25	%	
Rear Temperature	241 to 257	°C	

Middle Temperature	257 to 271	°C
Front Temperature	263 to 279	°C
Nozzle Temperature	263 to 282	°C
Processing (Melt) Temp	263 to 282	°C

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Recommended distributors for this material

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