

Chemlon® 240 MH

Polyamide 6

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 240 MH is a Polyamide 6 (Nylon 6) material filled with 40% mineral. It is available in Asia Pacific, Europe, or North America.

Important attributes of Chemlon® 240 MH are:

Flame Rated

Heat Stabilizer

Warp Resistant

Typical application of Chemlon® 240 MH: Automotive

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Warp Resistant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	89.6	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	3.9	%	
Break, 23°C	4.0	%	
Flexural Modulus (23°C)	5860	MPa	ASTM D790
Flexural Strength (23°C)	143	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	149	°C	ASTM D648
Melting Temperature	216	°C	
CLTE - Flow	5.6E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Strength (3.00 mm)	11	kV/mm	ASTM D149
Comparative Tracking Index (CTI)	500	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.810 mm)	HB		UL 94
Oxygen Index	23	%	ASTM D2863

Injection	Nominal Value	Unit
Drying Temperature	79.4	°C
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	218 to 235	°C
Middle Temperature	252 to 257	°C
Front Temperature	252 to 268	°C
Nozzle Temperature	252 to 268	°C
Processing (Melt) Temp	249 to 268	°C

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Recommended distributors for this material

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