Chemlon® 225-15 MGH

Polyamide 6

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 225-15 MGH is a Polyamide 6 (Nylon 6) material filled with 15% glass fiber and 25% mineral. It is available in Asia Pacific, Europe, or North America for injection molding.
Important attributes of Chemlon® 225-15 MGH are:
Flame Rated
Good Dimensional Stability
Good Processability
Good Toughness
Heat Stabilizer
Typical application of Chemlon® 225-15 MGH: Automotive

General Information	
UL YellowCard	E90654-252569
Filler / Reinforcement	Glass Fiber,15% Filler by Weight Mineral,25% Filler by Weight
Additive	Heat Stabilizer
Features	Good Dimensional Stability Good Processability Good Toughness Heat Stabilized High Rigidity High Strength Low Warpage
Appearance	Black Natural Color
Forms	Pellets
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.15 to 0.40	%	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	128	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	2.5	%	
Break	2.5	%	
Flexural Modulus	7580	MPa	ASTM D790

Flexural Strength	190	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	213	°C	
1.8 MPa, Unannealed	205	°C	
Melting Temperature	216	°C	
CLTE - Flow	5.5E-5	cm/cm/°C	ASTM D696
RTI Elec			UL 746
0.810 mm	65.0	°C	
1.50 mm	65.0	°C	
3.00 mm	65.0	°C	
RTI Imp			UL 746
0.810 mm	65.0	°C	
1.50 mm	65.0	°C	
3.00 mm	65.0	°C	
RTI Str			UL 746
0.810 mm	65.0	°C	
1.50 mm	65.0	°C	
3.00 mm	65.0	°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (3.00 mm)	12	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	24	%	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	246 to 257	°C	
Front Temperature	246 to 268	°C	
Nozzle Temperature	246 to 268	°C	
Processing (Melt) Temp	249 to 266	°C	
Mold Temperature	60.0 to 93.3	°C	
Injection Pressure	34.5 to 138	MPa	
Screw Speed	60 to 120	rpm	

infringement occurs, please contact us immediately.

Recommended distributors for this material

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