

Chemlon® 225-15 MGHU

Polyamide 6

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 225-15 MGHU is a Polyamide 6 (Nylon 6) material filled with glass\mineral. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of Chemlon® 225-15 MGHU: Flame Rated.

Typical application of Chemlon® 225-15 MGHU: Automotive

General Information			
Filler / Reinforcement	Glass\Mineral		
Uses	Automotive Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow ¹	0.20 to 0.35	%	ASTM D955
Water Absorption (24 hr)	0.70	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	131	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	2.0	%	
Break	2.5	%	
Flexural Modulus	8620	MPa	ASTM D790
Flexural Strength	197	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	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	208	°C	
Melting Temperature	216	°C	ASTM D789
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.810 mm)	HB		UL 94
Oxygen Index	22	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Suggested Max Moisture	0.20	%	
Suggested Max Regrind	25	%	
Rear Temperature	235 to 252	°C	
Middle Temperature	252 to 263	°C	
Front Temperature	257 to 274	°C	

Nozzle Temperature	254 to 268	°C
Processing (Melt) Temp	252 to 266	°C
NOTE		

1.

Dependent upon molding conditions particularly Mold temperature.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

