



Chemlon® 225-15 MGHU

Teknor Apex Company - Polyamide 6

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber\Mineral
Uses	• Automotive Applications
Automotive Specifications	• GM GMP.PA6.001 Color: Black ¹ • GM GMP.PA6.001 Color: Natural ¹
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ²

Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Molding Shrinkage	0.15 to 0.40	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	18100	psi	ISO 527
Tensile Strain (Break)	2.5	%	ISO 527
Flexural Modulus	1.23E+6	psi	ISO 178/A
Flexural Stress	26800	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	2.2	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	392	°F	ISO 75-2/A
Melting Temperature	428	°F	ISO 11357
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.03 in)	HB		UL 94
Oxygen Index	22	%	ASTM D2863

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	175	°F
Suggested Max Moisture	0.20	%
Suggested Max Re grind	25	%
Rear Temperature	455 to 485	°F
Middle Temperature	485 to 505	°F
Front Temperature	495 to 525	°F
Nozzle Temperature	490 to 515	°F
Processing (Melt) Temp	485 to 510	°F

Notes

¹ Automotive site approvals apply for US manufactured compound only

² Typical properties: these are not to be construed as specifications.