



Chemlon® 125-15 MG

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight	• Mineral, 25% Filler by Weight	
Features	• Good Dimensional Stability • Good Processability	• Good Toughness • High Rigidity	• High Strength • Low Warpage
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Molding Shrinkage	0.50	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	17400	psi	ISO 527
Tensile Strain (Break)	2.0	%	ISO 527
Flexural Modulus	1.05E+6	psi	ISO 178/A
Flexural Stress	26800	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 1.2	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	482	°F	ISO 75-2/A
Melting Temperature	490	°F	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150 to 180	°F
Suggested Max Moisture	0.20	%
Rear Temperature	560	°F
Middle Temperature	540	°F
Front Temperature	530	°F
Nozzle Temperature	530	°F
Mold Temperature	140 to 200	°F
Injection Pressure	5000 to 20000	psi
Screw Speed	60 to 120	rpm

Notes

¹ Typical properties: these are not to be construed as specifications.