

Chemlon® CHEMLON 150 G

Teknor Apex Company (Chem Polymer) - Polyamide 66

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55		ASTM D792
Molding Shrinkage - Flow ²	7.0E-4 to 1.7E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	34400	psi	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	1.89E+6	psi	ASTM D790
Flexural Strength	47000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	3.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	> 491	°F	ASTM D648
Melting Temperature	495	°F	ASTM D789
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.03 in)	HB		UL 94
Oxygen Index	25	%	ASTM D2863
FMVSS Flammability	Passed		FMVSS 302

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	485 to 535	°F
Middle Temperature	515 to 555	°F
Front Temperature	515 to 555	°F
Nozzle Temperature	515 to 555	°F
Processing (Melt) Temp	510 to 545	°F

Notes

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

² Dependent upon molding conditions particularly Mold temperature.

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