



Chemlon® 530 GH

Teknor Apex Company - Polyamide 66

General Information

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber		
Automotive Specifications	• FMVSS 302 ¹	• STELLANTIS MS-DB-41 CPN4417 Color: BK001 Black ¹	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ²

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.36		ASTM D792
Molding Shrinkage - Flow	2.5E-3 to 4.5E-3	in/in	ASTM D955
Water Absorption (24 hr)	1.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	18500	psi	ASTM D638
Tensile Elongation (Yield)	2.5	%	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	800000	psi	ASTM D790
Flexural Strength	25500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.7	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	445	°F	ASTM D648
Melting Temperature	495	°F	
CLTE - Flow	2.8E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (0.118 in)	380	V/mil	ASTM D149
Comparative Tracking Index (CTI)	600	V	UL 746A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.03 in)	HB		UL 94
Oxygen Index	23	%	ASTM D2863

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	175	°F
Suggested Max Moisture	0.20	%
Suggested Max Re grind	25	%
Rear Temperature	485 to 515	°F
Middle Temperature	505 to 525	°F
Front Temperature	515 to 545	°F
Nozzle Temperature	515 to 545	°F
Processing (Melt) Temp	505 to 540	°F