



Chemlon S 133 GVH

Teknor Apex Asia Pacific PTE. LTD. - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight		
Features	• Halogenated	• Heat Stabilized	
Uses	• Automotive Applications	• Industrial Applications	
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.61		ASTM D792
Molding Shrinkage - Flow	2.5E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	20000	psi	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	1.30E+6	psi	ASTM D790
Flexural Strength	28000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	435	°F	ASTM D648
Melting Temperature	493	°F	ASTM D789
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in)	V-0		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Suggested Max Moisture	0.20	%
Suggested Max Regrind	15	%
Rear Temperature	491 to 520	°F
Middle Temperature	511 to 550	°F
Front Temperature	520 to 559	°F
Nozzle Temperature	520 to 550	°F

Notes

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