



Chemlon® 133 GHL

Teknor Apex Company (Chem Polymer) - Polyamide 66

General Information

Product Description

Chemlon 133 GHL contains extra lubrication, this is denoted by the "L" in the grade designation.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight		
Additive	• Heat Stabilizer	• Lubricant	
Features	• Good Processability • Good Toughness	• Heat Stabilized • High Strength	• Lubricated
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38		ASTM D792
Molding Shrinkage - Flow	3.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.70	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	25500	psi	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	1.20E+6	psi	ASTM D790
Flexural Strength	35000	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, Unannealed	480	°F	ASTM D648
Melting Temperature	490	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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.