

Chemlon® 100 HU

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 100 HU is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Chemlon® 100 HU are:

- Flame Rated
- Good Processability
- Good Toughness
- Good UV Resistance
- Heat Stabilizer
- Typical applications include:
 - Appliances
 - Automotive
 - Electrical/Electronic Applications

General Information			
Additive	Heat Stabilizer		
	Lubricant		
	UV Stabilizer		
Features	General Purpose		
	Good Processability		
	Good Toughness		
	Good UV Resistance		
	Heat Stabilized		
	High Strength		
	Lubricated		
Uses	Appliances		
	Automotive Applications		
	Electrical/Electronic Applications		
Appearance	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5	%	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	82.7	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638

Flexural Modulus	2930	MPa	ASTM D790
Flexural Strength	114	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.8	°C	ASTM D648
Melting Temperature	254	°C	
Flammability	Nominal Value		Test Method
Flame Rating	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	65.6 to 82.2	°C	
Suggested Max Moisture	0.20	%	
Rear Temperature	282	°C	
Middle Temperature	271	°C	
Front Temperature	260	°C	
Nozzle Temperature	260	°C	
Mold Temperature	21.1 to 93.3	°C	
Injection Pressure	34.5 to 138	MPa	
Screw Speed	60 to 120	rpm	

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Recommended distributors for this material

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