

# Chemlon® 100 X

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon 100 X is internally and externally lubricated for excellent feed and mold release properties.

General Information			
Additive	Lubricant		
Features	General Purpose		
	Good Processability		
	Good Toughness		
	High Strength		
	Lubricated		
Uses	Appliances		
	Automotive Applications		
	Electrical/Electronic Applications		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
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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