

# Chemlon® 100 XHU

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

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

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	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	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

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

