

Chemlon® 100 XHU

Teknor Apex Company (Chem Polymer) - Polyamide 66

Friday, June 30, 2017

General Information

Product Description

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

General

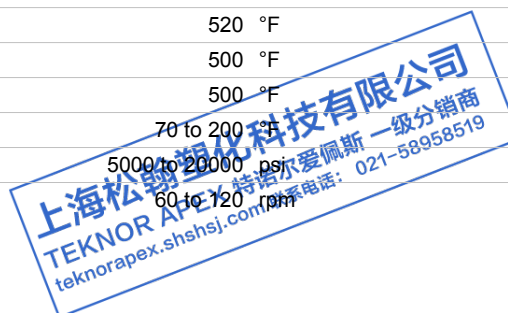
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|-------------------|--|--|--------------------------------------|
| Material Status | • Commercial: Active | | |
| Availability | • Asia Pacific | • Europe | • North America |
| Additive | • Heat Stabilizer | • Lubricant | • UV Stabilizer |
| Features | • General Purpose • Good Processability • Good Toughness | • Heat Stabilized • High Strength • Lubricated | • UV Resistant |
| Uses | • Appliances | • Automotive Applications | • Electrical/Electronic Applications |
| Appearance | • Black | • Natural Color | |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Specific Gravity | 1.14 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 12000 | psi | ASTM D638 |
| Tensile Elongation (Break) | 25 | % | ASTM D638 |
| Flexural Modulus | 425000 | psi | ASTM D790 |
| Flexural Strength | 16500 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F) | 1.0 | ft-lb/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load 264 psi, Unannealed | 190 | °F | ASTM D648 |
| Melting Temperature | 490 | °F | |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | V-2 | | UL 94 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature | 150 to 180 | °F |
| Suggested Max Moisture | 0.20 | % |
| Rear Temperature | 540 | °F |
| Middle Temperature | 520 | °F |
| Front Temperature | 500 | °F |
| Nozzle Temperature | 500 | °F |
| Mold Temperature | 70 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.

Revision Date: 12/11/2008

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