

Clariant Renol 66G33 2% Moly Nylon 66, 33% Glass Fiber Reinforced, 2% Molybdenum Disulfide Lubricated

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, MoS2 Filled

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-66G33-2-Moly-Nylon-66-33-Glass-Fiber-Reinforced-2-Molybdenum-Disulfide-Lubricated.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-----------------------|-----------------------|-----------|
| Specific Gravity | 1.37 g/cc | 1.37 g/cc | ASTM D792 |
| Linear Mold Shrinkage | 0.0030 - 0.0060 cm/cm | 0.0030 - 0.0060 in/in | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------------------------------|---------------------------------------|-----------|
| Tensile Strength, Yield | 145 MPa | 21000 psi | ASTM D638 |
| Elongation at Yield | 4.0 % | 4.0 % | ASTM D638 |
| Flexural Yield Strength | 193 MPa | 28000 psi | ASTM D790 |
| Flexural Modulus | 8.27 GPa | 1200 ksi | ASTM D790 |
| Izod Impact, Notched | 0.641 J/cm @Temperature 22.8 °C | 1.20 ft-lb/in @Temperature 73.0 °F | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 253 °C | 488 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 248 °C | 478 °F | ASTM D648 |

| Processing Properties | Metric | English | Comments |
|-----------------------|------------------------------------|-----------------------------------|------------------------------|
| Melt Temperature | 271 - 293 °C | 520 - 560 °F | |
| Mold Temperature | 79.4 - 93.3 °C | 175 - 200 °F | |
| Dry Time | 2 - 4 hour @Temperature 71.1 °C | 2 - 4 hour @Temperature 160 °F | to eliminate surface defects |
| Injection Pressure | 4.96 - 8.27 MPa | 720 - 1200 psi | Secondary |
| | 8.27 - 13.8 MPa | 1200 - 2000 psi | Initial |

| Back Pressure Processing Properties | 0.000 - 0.345 MPa Metric | 0.000 - 50.0 psi English | Comments |
|--|-----------------------------|-----------------------------|----------|
| Shot Size | 30 - 80 % | 30 - 80 % | |
| Screw Speed | 20 - 100 rpm | 20 - 100 rpm | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China