

Clariant Renol 6642 2% Moly Nylon 66, Extrusion Grade, 2% Molybdenum Disulfide Lubricated

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , 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-6642-2-Moly-Nylon-66-Extrusion-Grade-2-Molybdenum-Disulfide-Lubricated.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.015 cm/cm	0.015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	79.3 MPa	11500 psi	ASTM D638
Elongation at Yield	40 %	40 %	ASTM D638
Flexural Yield Strength	11.7 MPa	1700 psi	ASTM D790
Flexural Modulus	2.83 GPa	410 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Temperature 22.8 °C	1.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	241 °C	465 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	96.1 °C	205 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	271 - 293 °C	520 - 560 °F	
Mold Temperature	65.6 - 79.4 °C	150 - 175 °F	
Dry Time	2 - 4 hour @Temperature 71.1 °C	2 - 4 hour @Temperature 160 °F	to ensure moisture content is less than 0.2%
Injection Pressure	4.96 - 8.27 MPa	720 - 1200 psi	Secondary
	8.27 - 13.8 MPa	1200 - 2000 psi	Initial
Back Pressure	0.345 - 1.72 MPa	50.0 - 250 psi	

Processing Properties	Metric	English	Comments
Shot Size	30 - 80 µ	30 - 80 µ	
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