

Clariant Renol 6601L Nylon 66, Lubricated

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-6601L-Nylon-66-Lubricated.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.015 - 0.020 cm/cm	0.015 - 0.020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.8 MPa	11000 psi	ASTM D638
Elongation at Yield	50 %	50 %	ASTM D638
Flexural Yield Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	2.69 GPa	390 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm @Temperature 22.8 °C	0.900 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	227 °C	440 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	76.7 °C	170 °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	
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	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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