

Clariant Renol 6608-L Nylon 66, High Impact Modified, Lubricated

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-6608-L-Nylon-66-High-Impact-Modified-Lubricated.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.014 - 0.019 cm/cm	0.014 - 0.019 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D638
Elongation at Yield	50 %	50 %	ASTM D638
Flexural Yield Strength	55.2 MPa	8000 psi	ASTM D790
Flexural Modulus	1.59 GPa	230 ksi	ASTM D790
Izod Impact, Notched	8.28 J/cm @Temperature 22.8 °C	15.5 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	71.1 °C	160 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	266 - 288 °C	510 - 550 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	
Dry Time	2 - 4 hour @Temperature 79.4 °C	2 - 4 hour @Temperature 175 °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	

Shot Size Processing Properties	30 - 80 % Metric	30 - 80 % English	Comments
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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