

Clariant Renol 6608-LLT Nylon 66, High Impact Modified, Lubricated, Low Temp Impact

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-LLT-Nylon-66-High-Impact-Modified-Lubricated-Low-Temp-Impact.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	42.1 MPa	6100 psi	ASTM D638
Elongation at Yield	60 %	60 %	ASTM D638
Flexural Yield Strength	51.7 MPa	7500 psi	ASTM D790
Flexural Modulus	1.52 GPa	220 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	9.08 J/cm	17.0 ft-lb/in	ASTM D256
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Gardner Impact	12.2 J	9.00 ft-lb	ASTM D3673
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	38.0 J	28.0 ft-lb	ASTM D3673
	@Temperature 22.8 °C	@Temperature 73.0 °F	

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 Processing Properties	65.6 - 93.3 °C Metric	150 - 200 °F English	Comments
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	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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