

Clariant Renol PA133 Nylon 66, Highly Impact Modified, Heat Stabilized, Lubricated

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Heat Stabilized , 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-PA133-Nylon-66-Highly-Impact-Modified-Heat-Stabilized-Lubricated.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.020 cm/cm	0.020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D638
Flexural Yield Strength	66.2 MPa	9600 psi	ASTM D790
Flexural Modulus	1.72 GPa	250 ksi	ASTM D790
Izod Impact, Notched	7.74 J/cm @Temperature 22.8 °C	14.5 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	71.0 °C	160 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	266 - 293 °C	510 - 560 °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	30 - 80 %	30 - 80 %	

Processing Properties	Metric	English	Comments
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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