

Clariant Renol PA1SP0004 Nylon 66, High Impact Modified, ESD

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-PA1SP0004-Nylon-66-High-Impact-Modified-ESD.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.018 cm/cm	0.018 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D638
Flexural Yield Strength	55.2 MPa	8000 psi	ASTM D790
Flexural Modulus	1.52 GPa	220 ksi	ASTM D790
Izod Impact, Notched	8.01 J/cm @Temperature 22.8 °C	15.0 ft-lb/in @Temperature 73.0 °F	ASTM D256

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+11 ohm	1.00e+11 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	238 - 266 °C	460 - 510 °F	
Mold Temperature	79.4 - 107 °C	175 - 225 °F	
Dry Time	2 - 4 hour @Temperature 79.4 °C	2 - 4 hour @Temperature 175 °F	to ensure moisture content is less than 0.05%
Injection Pressure	4.96 - 8.27 MPa	720 - 1200 psi	Secondary
	8.27 - 13.8 MPa	1200 - 2000 psi	Initial
Back Pressure	0.000 - 0.345 MPa	0.000 - 50.0 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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