

Clariant Renol BR2025 Nylon 66, Impact Modified

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-BR2025-Nylon-66-Impact-Modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.1 MPa	9000 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Modulus	2.41 GPa	350 ksi	ASTM D790
Izod Impact, Notched	1.17 J/cm @Temperature 22.8 °C	2.20 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
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 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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