

Clariant Renol BR7039G30 Nylon 6, 30% Glass Fiber, bondable to TPU

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-BR7039G30-Nylon-6-30-Glass-Fiber-bondable-to-TPU.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Filler Content	30 %	30 %	ASTM D2584
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	105.0 MPa	15230 psi	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	180 MPa	26100 psi	ASTM D790
Flexural Modulus	0.724 GPa	105 ksi	ASTM D790

Processing Properties	Metric	English	Comments
Melt Temperature	238 - 260 °C	460 - 500 °F	
Mold Temperature	79.4 - 107 °C	175 - 225 °F	
Injection Pressure	4.96 - 8.27 MPa	720 - 1200 psi	Secondary
	8.27 - 13.8 MPa	1200 - 2000 psi	Initial
Back Pressure	0.345 - 0.827 MPa	50.0 - 120 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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