

Clariant Renol ABNN732017 Nylon 6 with anchored silicone

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-ABNN732017-Nylon-6-with-anchored-silicone.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	37.98 MPa	5509 psi	ASTM D638
Tensile Strength, Yield	81.4 MPa	11800 psi	ASTM D638
Elongation at Break	19 %	19 %	ASTM D638
Elongation at Yield	7.5 %	7.5 %	ASTM D638
Tensile Modulus	1.50 GPa	217 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm @Temperature 22.8 °C	1.40 ft-lb/in @Temperature 73.0 °F	ASTM D256
Coefficient of Friction	0.10	0.10	ASTM D3702
	0.17	0.17	ASTM D3702

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 240 °C	410 - 464 °F	
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	
Dry Time	2 - 4 hour	2 - 4 hour	predrying

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