

Clariant Renol PBTSP0006 Polyester Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyester, TP , Polyester Thermoplastic Elastomer

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-PBTSP0006-Polyester-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.015 cm/cm	0.015 in/in	ASTM D955
Melt Flow	9.0 g/10 min	9.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	8.89 MPa	1290 psi	ASTM D638
Elongation at Break	430 %	430 %	ASTM D638
Flexural Modulus	0.210 GPa	30.5 ksi	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 238 °C	430 - 460 °F	
Mold Temperature	10.0 - 21.1 °C	50.0 - 70.0 °F	
Dry Time	2 - 4 hour @Temperature 104 °C	2 - 4 hour @Temperature 220 °F	to ensure moisture content is less than 0.02%
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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