

Clariant Renol PCSP0019 Polycarbonate/Acrylic Alloy

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic/Polycarbonate Alloy , Polycarbonate (PC)

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-PCSP0019-PolycarbonateAcrylic-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.2 MPa	8000 psi	ASTM D638
Flexural Yield Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	2.21 GPa	320 ksi	ASTM D790
Izod Impact, Notched	12.8 J/cm	24.0 ft-lb/in	ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	238 - 266 °C	460 - 510 °F	
Mold Temperature	65.6 - 98.9 °C	150 - 210 °F	
Injection Pressure	33.1 - 41.4 MPa	4800 - 6000 psi	Secondary
	55.2 - 68.9 MPa	8000 - 10000 psi	Initial
Back Pressure	0.345 - 2.07 MPa	50.0 - 300 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	80 - 100 rpm	80 - 100 rpm	

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