

Clariant Renol ABS3460 ABS, General Purpose, Low Gloss

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-ABS3460-ABS-General-Purpose-Low-Gloss.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ASTM D955
Melt Flow	7.0 g/10 min @Load 10.0 kg, Temperature 220 °C	7.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	46.9 MPa	6800 psi	ASTM D638
Elongation at Yield	20 %	20 %	ASTM D638
Flexural Modulus	2.28 GPa	330 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm @Temperature 22.8 °C	3.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.8 °C	190 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	82.2 °C	180 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	216 - 249 °C	420 - 480 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °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 - 1.72 MPa	50.0 - 250 psi	
Shot Size	30 - 80 %	30 - 80 %	

Processing Properties	Metric 20-100 rpm	English 20-100 rpm	Comments
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