

Lucent Polymers PC/ABS-1020 Polycarbonate+ABS, General Purpose, Injection Grade

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Add "R" for Added ReleaseAdd "U" for UV StabilizerInformation provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-PCABS-1020-PolycarbonateABS-General-Purpose-Injection-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 cm/cm @Thickness 3.17 mm	0.0060 in/in @Thickness 0.125 in	1/8" Section
Melt Flow	20 g/10 min @Load 5.00 kg, Temperature 260 Â°C	20 g/10 min @Load 11.0 lb, Temperature 500 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	56.55 MPa	8202 psi	ASTM D638
Elongation at Break	>= 140 %	>= 140 %	ASTM D638
Flexural Strength	86.21 MPa	12500 psi	ASTM D790
Flexural Modulus	2.317 GPa	336.1 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	10.0 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	112.78 Â°C	235.00 Â°F	ASTM D648

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