

Amco Amalloy® B1172 Polymer Alloy

Category : Polymer , Thermoplastic

Material Notes:

Amco Amalloy B1172 is a proprietary copolymer with exceptional clarity and enhanced impact strength. Impact modified, very clear, moderate flow. Information provided by Amco Plastic Materials.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Amco-Amalloy-B1172-Polymer-Alloy.php

Physical Properties	Metric	English	Comments
Melt Flow	2.7 g/10 min @Load 3.80 kg, Temperature 230 °C	2.7 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	32.8 MPa	4750 psi	ASTM D638
Tensile Strength, Yield	35.2 MPa	5100 psi	ASTM D638
Elongation at Break	52 %	52 %	ASTM D638
Tensile Modulus	2.76 GPa	400 ksi	ASTM D638
Flexural Strength	66.9 MPa	9700 psi	ASTM D638
Flexural Modulus	2.69 GPa	390 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 6.35 mm, Temperature 22.8 °C	1.00 ft-lb/in @Thickness 0.250 in, Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.9 °C	210 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	3.1 %	3.1 %	ASTM D1003
Transmission, Visible	91.6 %	91.6 %	ASTM D1003

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