

## Amco Amalloy® B1044 Polymer Alloy

Category : Polymer , Thermoplastic

**Material Notes:**

Amco Amalloy B1044 is a proprietary copolymer with exceptional clarity and toughness. Low haze, low melt flow, high tensile & flexural strength. Information provided by Amco Plastic Materials.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Amco-Amalloy-B1044-Polymer-Alloy.php](http://www.lookpolymers.com/polymer_Amco-Amalloy-B1044-Polymer-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D1505
Melt Flow	1.5 g/10 min @Load 1.20 kg, Temperature 300 °C	1.5 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.2 MPa	5400 psi	ASTM D638
Tensile Modulus	2.96 GPa	430 ksi	ASTM D638
Flexural Modulus	2.93 GPa	425 ksi	ASTM D790
Impact	170	170	lbs. Instrumented Impact - Max Load
Impact Test	0.904 J	0.667 ft-lb	Instrumented Impact - Energy to Max; Amco Internal Test

Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.3 °C	209 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	0.30 % @Thickness 2.54 mm	0.30 % @Thickness 0.100 in	ASTM D1003
Transmission, Visible	91.7 % @Thickness 2.54 mm	91.7 % @Thickness 0.100 in	ASTM D1003

## Contact Songhan Plastic Technology Co.,Ltd.

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