

Ineos Barex[®] 218 E Acrylonitrile-Methyl Acrylate Copolymer

Category : Polymer , Thermoplastic , ABS Polymer , Acrylic (PMMA) , Acrylonitrile-Methyl Acrylate Copolymer

Material Notes:

Extrusion Grade. Barex[®] Resins are available in either natural or blue tint. Barex[®] 218E is most commonly used for thermoformed sheet applications in which high impact performance is required.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-Barex-218-E-Acrylonitrile-Methyl-Acrylate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	
Apparent Bulk Density	0.680 g/cc	0.0246 lb/in ³	
Linear Mold Shrinkage	0.0035 cm/cm	0.0035 in/in	ASTM D955
Melt Flow	3.0 g/10 min @Load 12.5 kg, Temperature 200 °C	3.0 g/10 min @Load 27.6 lb, Temperature 392 °F	2 mm x 8 mm

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	45	45	
Tensile Strength, Yield	51.0 MPa	7400 psi	
Elongation at Break	4.0 %	4.0 %	
Flexural Yield Strength	93.0 MPa	13500 psi	
Flexural Modulus	2.70 GPa	392 ksi	
Izod Impact, Notched	9.00 J/cm	16.9 ft-lb/in	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.30 J/g-°C	0.311 BTU/lb-°F	
Thermal Conductivity	0.260 W/m-K	1.80 BTU-in/hr-ft ² - °F	
Deflection Temperature at 0.46 MPa (66 psi)	71.0 °C	160 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	ASTM D648
Vicat Softening Point	77.0 °C	171 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	200 °C	392 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China