

Network Polymers MS 130HF Styrene Methyl Methacrylate Terpolymer

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Polystyrene (PS) , Styrene/Methyl Methacrylate Copolymer (SMMA)

Material Notes:

Description: Styrene Methyl Methacrylate Terpolymer Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-MS-130HF-Styrene-Methyl-Methacrylate-Terpolymer.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--|--|-------------------------------------|
| Specific Gravity | 1.06 g/cc | 1.06 g/cc | ASTM D792 |
| Linear Mold Shrinkage | 0.0020 - 0.0060 cm/cm | 0.0020 - 0.0060 in/in | ASTM D955 |
| Melt Flow | 2.2 g/10 min @Load 5.00 kg, Temperature 200 °C | 2.2 g/10 min @Load 11.0 lb, Temperature 392 °F | Procedure A Condition G; ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------|----------------|---|
| Tensile Strength at Break | 55.52 MPa | 8053 psi | chs 2 in/min; ASTM D638 |
| Elongation at Break | 3.78 % | 3.78 % | chs 2 in/min; ASTM D638 |
| Flexural Modulus | 2.79 GPa | 405 ksi | Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790 |
| Izod Impact, Notched | 0.235 J/cm | 0.440 ft-lb/in | 0.125 inch bar; ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 76.0 °C | 169 °F | ASTM D648 |
| Vicat Softening Point | 102 °C | 216 °F | ASTM D1525 |

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