

PolyOne Synprene® RT-3870MS Thermoplastic Elastomer - SBC (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

Material Notes:

Description/Features:High Performance Thermoplastic ElastomerUV StabilizedTranslucentApplications:Multi-PurposeMarket:Consumer GoodsProcessing Method:Injection MoldingPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-RT-3870MS-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|-----------|
| Specific Gravity | 0.900 g/cc | 0.900 g/cc | ASTM D792 |
| Linear Mold Shrinkage | 0.0122 cm/cm | 0.0122 in/in | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------|--------------------------|--|
| Hardness, Shore A | 73 | 73 | Instant; ASTM D2240 |
| Tensile Strength, Yield | 6.79 MPa | 985 psi | Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412 |
| | 4.83 MPa @Strain 300 % | 700 psi @Strain 300 % | Method A (Dumbbell & Section), 20 in/min; ASTM D412 |
| Elongation at Break | 595 % | 595 % | Method A (Dumbbell & Section), 20 in/min; ASTM D412 |
| Tear Strength | 38.6 kN/m | 220 pli | Die C (graves), 20 in/min; ASTM D624 |
| Compression Set | 25 % | 25 % | Method B, 73°F(23°C), 22 hrs; ASTM D395 |

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