

Teknor Apex Monprene[®] MP 1869 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Features: Monprene[®] TPE gels are softer than the shore A range of hardness. Monprene[®] TPE gels are high strength and high flow elastomers that may be used in the overmolding processes on polyolefin substrates. Monprene[®] TPE gels are recommended for applications where very soft tactile feel and strength are required, such as cushions or padding between hard substrates and personal contact. Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Monprene-MP-1869-Thermoplastic-Elastomer.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|------------|
| Specific Gravity | 0.880 g/cc | 0.880 g/cc | ASTM D792 |
| Melt Flow | 6.00 g/10 min @Load 2.16 kg, Temperature 150 °C | 6.00 g/10 min @Load 4.76 lb, Temperature 302 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|----------------------------|---------------------------|------------|
| Hardness, Shore A | 60 | 60 | ASTM D2240 |
| Tensile Strength at Break | 3.45 MPa | 500 psi | ASTM D412 |
| Tensile Strength, Yield | 0.552 MPa @Strain 300 % | 80.0 psi @Strain 300 % | ASTM D412 |
| Elongation at Break | 700 % | 700 % | ASTM D412 |

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