

Teknor Apex UNIPRENE® 7100-45 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

Information provided by Teknor Apex Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-UNIPRENE-7100-45-Thermoplastic-Elastomer.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|------------|-----------|
| Specific Gravity | 0.920 g/cc | 0.920 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-------------|-----------|------------------------------------|
| Hardness, Shore A | 45 | 45 | 5 seconds; ASTM D2240 |
| | 50 | 50 | Instantaneous; ASTM D2240 |
| Tensile Strength, Yield | 3.62 MPa | 525 psi | ASTM D412 |
| Elongation at Break | 300 % | 300 % | ASTM D412 |
| 100% Modulus | 0.00152 GPa | 0.220 ksi | ASTM D412 |
| Tear Strength | 14.5 kN/m | 83.0 pli | ASTM D624 |
| Compression Set | 16 % | 16 % | 23°C, 22 hr.; ASTM D395, Method B |
| | 32 % | 32 % | 100°C, 22 hr.; ASTM D395, Method B |

| Thermal Properties | Metric | English | Comments |
|-------------------------|-------------|-------------|-----------|
| Brittleness Temperature | <= -60.0 °C | <= -76.0 °F | ASTM D746 |

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