

## Teknor Apex UNIPRENE® 7100-73 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-7100-73-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Teknor-Apex-UNIPRENE-7100-73-Thermoplastic-Elastomer.php)

| Physical Properties | Metric     | English    | Comments  |
|---------------------|------------|------------|-----------|
| Specific Gravity    | 0.940 g/cc | 0.940 g/cc | ASTM D792 |

| Mechanical Properties   | Metric      | English   | Comments                           |
|-------------------------|-------------|-----------|------------------------------------|
| Hardness, Shore A       | 73          | 73        | 5 seconds; ASTM D2240              |
|                         | 79          | 79        | Instantaneous; ASTM D2240          |
| Tensile Strength, Yield | 6.76 MPa    | 980 psi   | ASTM D412                          |
| Elongation at Break     | 340 %       | 340 %     | ASTM D412                          |
| 100% Modulus            | 0.00393 GPa | 0.570 ksi | ASTM D412                          |
| Tear Strength           | 29.8 kN/m   | 170 pli   | ASTM D624                          |
| Compression Set         | 27 %        | 27 %      | 23°C, 22 hr.; ASTM D395, Method B  |
|                         | 45 %        | 45 %      | 100°C, 22 hr.; ASTM D395, Method B |

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

## Contact Songhan Plastic Technology Co.,Ltd.

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