

## Teknor Apex UNIPRENE® 7100-55 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-7100-55-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Teknor-Apex-UNIPRENE-7100-55-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	55	55	5 seconds; ASTM D2240
	60	60	Instantaneous; ASTM D2240
Tensile Strength, Yield	3.86 MPa	560 psi	ASTM D412
Elongation at Break	300 %	300 %	ASTM D412
100% Modulus	0.00214 GPa	0.310 ksi	ASTM D412
Tear Strength	15.8 kN/m	90.0 pli	ASTM D624
Compression Set	20 %	20 %	23°C, 22 hr.; ASTM D395, Method B
	35 %	35 %	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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