

Teknor Apex UNIPRENE® 7100-80 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-7100-80-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	5 seconds; ASTM D2240
	85	85	Instantaneous; ASTM D2240
Tensile Strength, Yield	8.27 MPa	1200 psi	ASTM D412
Elongation at Break	350 %	350 %	ASTM D412
100% Modulus	0.00517 GPa	0.750 ksi	ASTM D412
Tear Strength	40.3 kN/m	230 pli	ASTM D624
Compression Set	33 %	33 %	23°C, 22 hr.; ASTM D395, Method B
	57 %	57 %	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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