

Teknor Apex UNIPRENE® 7100-50D 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-7100-50D-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 D	48	48	10 seconds; ASTM D2240
	55	55	10 seconds; ASTM D2240
Tensile Strength, Yield	22.8 MPa	3300 psi	ASTM D412
Elongation at Break	600 %	600 %	ASTM D412
100% Modulus	0.0145 GPa	2.10 ksi	ASTM D412
Tear Strength	114 kN/m	650 pli	ASTM D624
Compression Set	44 %	44 %	23°C, 22 hr.; ASTM D395, Method B
	80 %	80 %	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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