

Teknor Apex UNIPRENE® 2021 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-2021-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	ASTM D792
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	25	25	5 seconds; ASTM D2240
Tensile Strength, Yield	2.28 MPa	330 psi	ASTM D412
Elongation at Break	375 %	375 %	ASTM D412
100% Modulus	0.000586 GPa	0.0850 ksi	ASTM D412
Tear Strength	8.77 kN/m	50.0 pli	ASTM D624
Compression Set	11 %	11 %	23°C, 22 hr.; ASTM D395, Method B
	23 %	23 %	70°C, 22 hr.; ASTM D395, Method B
	44 %	44 %	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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