

## Teknor Apex UNIPRENE® 2005 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-2005-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Teknor-Apex-UNIPRENE-2005-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D792
Melt Flow	5.0 g/10 min	5.0 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	15	15	5 seconds; ASTM D2240
Tensile Strength, Yield	1.65 MPa	240 psi	ASTM D412
Elongation at Break	300 %	300 %	ASTM D412
100% Modulus	0.000517 GPa	0.0750 ksi	ASTM D412
Tear Strength	7.01 kN/m	40.0 pli	ASTM D624
Compression Set	10 %	10 %	23°C, 22 hr.; ASTM D395, Method B
	22 %	22 %	70°C, 22 hr.; ASTM D395, Method B
	54 %	54 %	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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