

**STAR Thermoplastic Alloys & Rubbers StarFlex<sup>®</sup> P 7170-1000 TPE**

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

**Material Notes:**

Product Description: StarFlex P 7170-1000 is an easy processing TPE designed for injection molding Features:Soft TouchRubbery

FeelExcellent ColorabilityGood WeatherabilityFDA and medical grades availableProcessing Method: Injection MoldingInformation Provided by STAR Thermoplastic Elastomers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_STAR-Thermoplastic-Alloys-Rubbers-StarFlex-P-7170-1000-TPE.php](http://www.lookpolymers.com/polymer_STAR-Thermoplastic-Alloys-Rubbers-StarFlex-P-7170-1000-TPE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	ASTM D792
Viscosity	8800 cP	8800 cP	ASTM D3835
	@Shear Rate 10994 1/s, Temperature 210 Â°C	@Shear Rate 10994 1/s, Temperature 410 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	ASTM D2240
	@Time 10.0 sec	@Time 0.00278 hour	
Tensile Strength at Break	5.55 MPa	805 psi	Die C; ASTM D414
	@Time 7200 sec	@Time 2.00 hour	
Elongation at Break	680 %	680 %	Die C; ASTM D412
	@Time 7200 sec	@Time 2.00 hour	
300% Modulus	0.00321 GPa	0.465 ksi	Die C; ASTM D412
	@Time 7200 sec	@Time 2.00 hour	
Tear Strength	33.8 kN/m	193 pli	ASTM D624

Descriptive Properties	Value	Comments
Color	Natural	

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