

## STAR Thermoplastic Alloys & Rubbers StarMediflex P 7035-1000 TPE

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

### Material Notes:

Product Description: StarMediflex P 7035-1000 is an easy processing TPE designed for injection molding. This particular class of TPE material for medical products and tubing applications. Features:Soft TouchRubbery FeelExcellent ColorabilityProcessing Method: Injection MoldingInformation Provided by STAR Thermoplastic Elastomers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_STAR-Thermoplastic-Alloys-Rubbers-StarMediflex-P-7035-1000-TPE.php](http://www.lookpolymers.com/polymer_STAR-Thermoplastic-Alloys-Rubbers-StarMediflex-P-7035-1000-TPE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Viscosity	14000 cP	14000 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	33	33	ASTM D2240
	@Time 10.0 sec	@Time 0.00278 hour	
Tensile Strength at Break	1.84 MPa	267 psi	Die C; ASTM D414
	@Time 7200 sec	@Time 2.00 hour	
Elongation at Break	726 %	726 %	Die C; ASTM D412
	@Time 7200 sec	@Time 2.00 hour	
300% Modulus	0.000469 GPa	0.0680 ksi	Die C; ASTM D412
	@Time 7200 sec	@Time 2.00 hour	
Tear Strength	10.3 kN/m	59.0 pli	ASTM D624

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	Clear' but thickness not quantified

Descriptive Properties	Value	Comments
Color	Clear	

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