

STAR Thermoplastic Alloys & Rubbers StarCLEAR CLR-1040 TPE

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

Material Notes:

Product Description: StarCLEAR CLR-1040 is an easy processing TPE designed for injection molding. Soft and ultra clear TPEs specifically targeted to medical, consumer and sporting goods market. Features:Soft TouchRubbery FeelExcellent ColorabilityExcellent

ClarityProcessing Method: Injection MoldingInformation Provided by STAR Thermoplastic Elastomers

Order this product through the following link:

http://www.lookpolymers.com/polymer_STAR-Thermoplastic-Alloys-Rubbers-StarCLEAR-CLR-1040-TPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	ASTM D792
Viscosity	9200 cP	9200 cP	ASTM D3835
	@Shear Rate 10994 1/s, Temperature 210 °C	@Shear Rate 10994 1/s, Temperature 410 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	39	39	ASTM D2240
	@Time 10.0 sec	@Time 0.00278 hour	
Tensile Strength at Break	4.10 MPa	594 psi	Die C; ASTM D414
	@Time 7200 sec	@Time 2.00 hour	
Elongation at Break	650 %	650 %	Die C; ASTM D412
	@Time 7200 sec	@Time 2.00 hour	
300% Modulus	0.00137 GPa	0.198 ksi	Die C; ASTM D412
	@Time 7200 sec	@Time 2.00 hour	
Tear Strength	15.3 kN/m	87.0 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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