

PolyOne Synprene® RT-3830MS Thermoplastic Elastomer - SBC (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

Material Notes:

Description/Features:High Performance Thermoplastic ElastomerUV StabilizedTransparentApplications:Multi-PurposeMarket:Consumer GoodsProcessing Method:Injection MoldingPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-RT-3830MS-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
	0.900 g/cc	0.900 g/cc	ASTM D792
Linear Mold Shrinkage	0.019 cm/cm	0.019 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	Instant; ASTM D2240
	30	30	Instant; ASTM D2240
Tensile Strength, Yield	4.41 MPa	640 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	4.41 MPa	640 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	1.59 MPa @Strain 300 %	230 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
	1.59 MPa @Strain 300 %	230 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	725 %	725 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
	725 %	725 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Rebound	60 %	60 %	Bayshore; ASTM D2632
Tear Strength	16.7 kN/m	95.0 pli	Die C (graves), 20 in/min; ASTM D624
	16.7 kN/m	95.0 pli	Die C (graves), 20 in/min; ASTM D624
Compression Set	20 %	20 %	Method B, 73°F(23°C), 22 hrs; ASTM D395
	20 %	20 %	Method B, 73°F(23°C), 22 hrs; ASTM

Mechanical Properties	Metric	English	0395 Comments
Thermal Properties	Metric	English	Comments
Brittleness Temperature	-65.0 °C	-85.0 °F	ASTM D746
Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China