

Elastocon TPE Technologies Elastocon® OF75 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Elastocon® OF75 is a natural thermoplastic elastomer that has been developed for applications that require oil/plasticizer free, high strength properties and a reduced coefficient of friction. Elastocon® OF75 is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® OF75 can be overmolded onto polypropylene. Information provided by Elastocon TPE Technologies, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elastocon-TPE-Technologies-Elastocon-OF75-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.927 g/cc	0.927 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.015 - 0.025 cm/cm	0.015 - 0.025 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	ASTM D2240
Tensile Strength	11.57 MPa	1678 psi	ASTM D412
Elongation at Break	591 %	591 %	ASTM D412
100% Modulus	0.00478 GPa	0.693 ksi	ASTM D412

Processing Properties	Metric	English	Comments
Feed Temperature	<= 79.4 °C	<= 175 °F	
Rear Barrel Temperature	166 - 177 °C	330 - 350 °F	
Front Barrel Temperature	182 - 188 °C	360 - 370 °F	
Nozzle Temperature	193 - 204 °C	380 - 400 °F	
Mold Temperature	21.1 - 37.8 °C	70.0 - 100 °F	
Back Pressure	0.689 - 1.38 MPa	100 - 200 psi	

Descriptive Properties	Value	Comments
Injection Rate	Fast	

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