

Elastron® TPO Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO)

Material Notes:

wide hardness range does not require vulcanization - quite higher saving on the processing costs remains flexible at low temperature high temperature resistance electrical insulator with very low conductivity has grades with very low conductivity grades with very high abrasion resistance excellent tear resistance 100% recyclable PVC free resistance to solvents resistance to oil resistance to acids, bases, and detergents resistance to UV and ozone resistance to bacterial and fungus growth has low toxic potential, with many grades conforming with FDA regulations halogen free flame retardancy coloured grades available allows direct coloring during processing by utilizing colored PP and PE masterbatches 2-shot molding onto many other plastics appropriate co-extrusion process

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elastron-TPO-Elastomer.php

Physical Properties	Metric	English	Comments
Density	>= 0.880 g/cc	>= 0.0318 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	
Hardness, Shore D	65	65	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Shrinkage	1.0 - 3.0 %	1.0 - 3.0 %	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	180 - 210 °C	356 - 410 °F	
Middle Barrel Temperature	180 - 210 °C	356 - 410 °F	
Front Barrel Temperature	180 - 210 °C	356 - 410 °F	
Die Temperature	180 - 210 °C	356 - 410 °F	
Mold Temperature	30.0 - 60.0 °C	86.0 - 140 °F	

Descriptive Properties	Value	Comments
Acid-Base Resistance	excellent	
Comp. Ratio	2.5 - 3.5	

Descriptive Properties Compression Molding	Value medium	Comments
Draw Down	5-10	
Drying	not necessary	
Injection Speed	medium-fast	
L/D Ratio	20 - 24:1	
Motor Oil Resistance	medium	
Solvent Resistance	medium	
UV-Ozone Stability	very good	

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