

## Elastron® D SEBS Elastomer

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

### Material Notes:

Characteristics wide hardness range does not require vulcanisation - quite higher saving on the processing costs remains flexible at low temperatures electrical insulator with very low conductivity has grades with very low conductivity has grades with very low compression set grades with very high abrasion resistance excellent tear resistance 100% recyclable PVC free resistance to acids, bases, and detergents 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 colouring during processing by utilizing coloured PP and PE masterbatches 2-shot moulding onto many other plastics appropriate co-extrusion process

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Elastron-D-SEBS-Elastomer.php](http://www.lookpolymers.com/polymer_Elastron-D-SEBS-Elastomer.php)

Physical Properties	Metric	English	Comments
Density	>= 0.890 g/cc	>= 0.0322 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	
Hardness, Shore D	20	20	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	65.0 °C	149 °F	
Minimum Service Temperature, Air	-30.0 °C	-22.0 °F	
Shrinkage	0.50 - 2.0 %	0.50 - 2.0 %	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	150 - 180 °C	302 - 356 °F	
Middle Barrel Temperature	150 - 180 °C	302 - 356 °F	
Front Barrel Temperature	150 - 180 °C	302 - 356 °F	
Die Temperature	140 - 180 °C	284 - 356 °F	
Mold Temperature	15.0 - 30.0 °C	59.0 - 86.0 °F	

Descriptive Properties	Value	Comments
Acid-Base Resistance	good	
Comp. Ratio	1.5 - 3.0	

Descriptive Properties Compression Molding	Value medium	Comments
Draw Down	5-10	
Drying	not necessary	
Injection Speed	fast	
L/D Ratio	15 - 24:1	
Motor Oil Resistance	poor	
Solvent Resistance	poor	
UV-Ozone Stability	medium	

## Contact Songhan Plastic Technology Co.,Ltd.

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