

**PRODUCT DESCRIPTION**

A soft , natural SEBS based thermoplastic elastomer (TPE) compound designed for use in medical applications.

**GENERAL PROPERTIES**

<b>Material Status</b>	Active
<b>Availability</b>	Europe North America Asia- Pasific Africa & Middle East
<b>Features</b>	Ozone Resistance Adhesion to Polyolefins Recyclable Compliant with RoHS Directive 2011/65/EU Compliant with USP Class VI Requirements
<b>Certification</b>	RoHS
<b>Appearance</b>	Natural
<b>Form</b>	Pellets
<b>Processing Method</b>	Injection, Extrusion

**Physical Properties**

Property	Typical Value (English)	Typical Value (SI)	Test Method
<b>Density</b>	0.89 g/cm <sup>3</sup>	0,89 g/cm <sup>3</sup>	ASTM D 792
<b>Durometer Hardness, 3 sec (Shore A)</b>	30.00	30,00	ASTM D 2240
<b>Tensile Strength at Break</b>	725 Psi	5,00 MPa	ASTM D412, Method A
<b>Mod.of Elasticity %100</b>	116 Psi	0,80 MPa	ASTM D412, Method A
<b>Mod.of Elasticity %300</b>	189 Psi	1,30 MPa	ASTM D412, Method A
<b>Elongation at break</b>	1000.00 %	1000,00 %	ASTM D412, Method A
<b>Compression Set (at 73 °F, 22 h)</b>	9.00 %	9,00 %	ASTM D 395, Type 2, Method B
<b>Compression Set (at 158 °F, 22 h)</b>	27.00 %	27,00 %	ASTM D 395, Type 2, Method B
<b>Compression Set (at 212 °F, 22 h)</b>	52.00 %	52,00 %	ASTM D 395, Type 2, Method B
<b>Tear Resistance</b>	102.78 lbf/in	18,00 N/mm	ASTM D624

**Shrinkage**

Property	Typical Value (English)	Typical Value (SI)	Test Method
<b>Flow</b>	2.50%	2.50%	ASTM D955
<b>Across Flow</b>	1.13%	1.13%	ASTM D955

**Ageing Tests**

Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
Ozone Resistance-Stressed	No cracks	No cracks	ASTM D 1149

**Bondable to**

PE-PP-EVA

**Additional Information**

Elastron products are not compatible with PVC and Acetal.  
Regrinding level up to %20 is recommended with minimum property loss.

**Processing**

Injection Molding	Typical Value (English)		Typical Value (SI)	
Drying temperatures	-	°F	-	°C
Drying time	-	hours	-	hours
Rear Zone temp.	-	°F	-	°C
Middle Zone temp.	-	°F	-	°C
Front Zone temp.	-	°F	-	°C
Nozzle Temperature	-	°F	-	°C
Injection Speed	-	-	-	-
Injection Time	-	sec.	-	sec.
Injection Pressure	-	bar	-	bar
Hold Pressure	-	bar	-	bar
Back Pressure	-	bar	-	bar
Screw Speed	-	rpm	-	rpm
Mold Temperature	-	°F	-	°C
Screw Comp. ratio	-	-	-	-
Screw L/D ratio	-	-	-	-
Residence time	-	-	-	-
Cushion size	0	inc		mm
Suggested Max Regrind	-	%	-	%

Extrusion Molding	Typical Value (English)		Typical Value (SI)	
Drying temperatures	-	°F	-	°C
Drying time	No need	hours	No need	hours
Screw Comp. Ratio	1.5:1- 2.0:1	-	1.5:1- 2.0:1	-
Screw L/D	18- 30	-	18- 30	-
Feed Zone temp.	302-338	°F	150- 170	°C
Rear Zone temp.	311-347	°F	155- 175	°C
Center Zone temp.	329-365	°F	165- 185	°C
Front Zone temp.	347-401	°F	175- 205	°C
Head temp.	356-410	°F	180- 210	°C
Die temp.	374-410	°F	190- 210	°C
Suggested Max Regrind	-	%	-	%

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