

**PRODUCT DESCRIPTION**

A soft , black SEBS based thermoplastic elastomer (TPE) compound that offers good physical properties and chemical resistance.

**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 Compliant with RoHS Directive 2011/65/EU
<b>Certification</b>	RoHS
<b>Appearance</b>	Black
<b>Form</b>	Pellets
<b>Processing Method</b>	Injection

**Physical Properties**

Property	Typical Value (English)	Typical Value (SI)	Test Method
<b>Density</b>	1.20 g/cm³	1,20 g/cm³	ASTM D 792
<b>Durometer Hardness, 3 sec (Shore A)</b>	79.00	79,00	ASTM D 2240
<b>Tensile Strength at Break</b>	1088 Psi	7,50 MPa	ASTM D412, Method A
<b>Mod.of Elasticity %100</b>	421 Psi	2,90 MPa	ASTM D412, Method A
<b>Mod.of Elasticity %300</b>	551 Psi	3,80 MPa	ASTM D412, Method A
<b>Elongation at break</b>	700.00 %	700,00 %	ASTM D412, Method A
<b>Compression Set (at 73 °F, 22 h)</b>	24.00 %	24,00 %	ASTM D 395, Type 2, Method B
<b>Compression Set (at 158 °F, 22 h)</b>	62.00 %	62,00 %	ASTM D 395, Type 2, Method B
<b>Compression Set (at 212 °F, 22 h)</b>	83.00 %	83,00 %	ASTM D 395, Type 2, Method B
<b>Tear Resistance</b>	199.85 lbf/in	35,00 N/mm	ASTM D624

**Shrinkage**

Property	Typical Value (English)	Typical Value (SI)	Test Method
<b>Flow</b>	1.26%	1.26%	ASTM D955
<b>Across Flow</b>	1.16%	1.16%	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
Drying time	No need	hours
Rear Zone temp.	293-347	°F
Middle Zone temp.	311-365	°F
Front Zone temp.	320-374	°F
Nozzle Temperature	347-401	°F
Injection Speed	Low/ Mod	-
Injection Time	3- 5	sec.
Injection Pressure	10- 40	bar
Hold Pressure	5- 20	bar
Back Pressure	5- 40	bar
Screw Speed	50- 200	rpm
Mold Temperature	77-122	°F
Screw Comp. ratio	1.5:1- 2.0:1	-
Screw L/D ratio	18- 24	-
Residence time	1-2 shot	-
Cushion size	0.3120	inc
Suggested Max Regrind	20	%

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## ISO 9001: 2015 & IATF16949: 2016 & ISO 14001: 2015 REGISTERED QUALITY SYSTEMS

