

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>	Good Mechanical Properties Good Chemical Resistance 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>	1.16 g/cm <sup>3</sup>	1,16 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>	363 Psi	2,50 MPa	ASTM D412, Method A
<b>Mod.of Elasticity %100</b>	73 Psi	0,50 MPa	ASTM D412, Method A
<b>Mod.of Elasticity %300</b>	160 Psi	1,10 MPa	ASTM D412, Method A
<b>Elongation at break</b>	800.00 %	800,00 %	ASTM D412, Method A
<b>Compression Set (at 73 °F, 22 h)</b>	10.00 %	10,00 %	ASTM D 395, Type 2, Method B
<b>Compression Set (at 158 °F, 22 h)</b>	41.00 %	41,00 %	ASTM D 395, Type 2, Method B
<b>Compression Set (at 212 °F, 22 h)</b>	68.00 %	68,00 %	ASTM D 395, Type 2, Method B
<b>Tear Resistance</b>	97.07 lbf/in	17,00 N/mm	ASTM D624

Shrinkage

Property	Typical Value (English)	Typical Value (SI)	Test Method
<b>Flow</b>	1.83%	1.83%	ASTM D955
<b>Across Flow</b>	1.55%	1.55%	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

