

**PRODUCT DESCRIPTION**

A soft , colorable SBS based thermoplastic elastomer (TPE) compound designed for injection molding 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
<b>Certification</b>	RoHS
<b>Appearance</b>	Natural
<b>Form</b>	Pellets
<b>Processing Method</b>	Injection

**Physical Properties**

Property	Typical Value (English)	Typical Value (SI)	Test Method
<b>Density</b>	1.10 g/cm³	1,10 g/cm³	ASTM D 792
<b>Durometer Hardness, 3 sec (Shore A)</b>	40.00	40,00	ASTM D 2240
<b>Tensile Strength at Break</b>	363 Psi	2,50 MPa	ASTM D412, Method A
<b>Mod.of Elasticity %100</b>	131 Psi	0,90 MPa	ASTM D412, Method A
<b>Mod.of Elasticity %300</b>	218 Psi	1,50 MPa	ASTM D412, Method A
<b>Elongation at break</b>	550.00 %	550,00 %	ASTM D412, Method A
<b>Compression Set (at 73 °F, 22 h)</b>	16.00 %	16,00 %	ASTM D 395, Type 2, Method B
<b>Tear Resistance</b>	85.65 lbf/in	15,00 N/mm	ASTM D624

**Shrinkage**

Property	Typical Value (English)	Typical Value (SI)	Test Method
<b>Flow</b>	3.16%	3.16%	ASTM D955
<b>Across Flow</b>	1.48%	1.48%	ASTM D955

**Ageing Tests**

Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
Ozone Resistance-Stressed			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.	284-302	°F
Middle Zone temp.	293-320	°F
Front Zone temp.	302-329	°F
Nozzle Temperature	329-365	°F
Injection Speed	Low	-
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	-	%

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