

PRODUCT DESCRIPTION

A soft , colorable SBS based thermoplastic elastomer (TPE) compound designed for injection molding applications.

GENERAL PROPERTIES

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

Physical Properties

Property	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.22 g/cm ³	1,22 g/cm ³	ASTM D 792
Durometer Hardness, 3 sec (Shore A)	20.00	20,00	ASTM D 2240
Tensile Strength at Break	290 Psi	2,00 MPa	ASTM D412, Method A
Mod.of Elasticity %100	44 Psi	0,30 MPa	ASTM D412, Method A
Mod.of Elasticity %300	102 Psi	0,70 MPa	ASTM D412, Method A
Elongation at break	850.00 %	850,00 %	ASTM D412, Method A
Tear Resistance	45.68 lbf/in	8,00 N/mm	ASTM D624

Shrinkage

Property	Typical Value (English)	Typical Value (SI)	Test Method
Flow			ASTM D955
Across Flow			ASTM D955

Ageing Tests

Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
Ozone Resistance-Stressed			ASTM D 1149

Bondable to

PP-PS

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	No need	hours	No need	hours
Rear Zone temp.	284-302	°F	140-150	°C
Middle Zone temp.	293-320	°F	145-160	°C
Front Zone temp.	302-329	°F	150-165	°C
Nozzle Temperature	329-365	°F	165-185	°C
Injection Speed	Low	-	Low	-
Injection Time	3-5	sec.	3-5	sec.
Injection Pressure	10-40	bar	10-40	bar
Hold Pressure	5-20	bar	5-20	bar
Back Pressure	5-40	bar	5-40	bar
Screw Speed	50-200	rpm	50-200	rpm
Mold Temperature	77-122	°F	25-50	°C
Screw Comp. ratio	1.5:1- 2.0:1	-	1.5:1- 2.0:1	-
Screw L/D ratio	18-24	-	18-24	-
Residence time	1-2 shot	-	1-2 shot	-
Cushion size	0.3120	inc	8	mm
Suggested Max Regrind	-	%	-	%

Notes

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