Elastron® G G301.A75.N

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, colorable SEBS based thermoplastic elastomer (TPE) compound that offers good physical properties and chemical resistance.
Bondable to: PP, EVA, PE

General Information	
Features	Block Copolymer
	Bondability
	Good Chemical Resistance
	Good Colorability
	Soft
RoHS Compliance	RoHS Compliant
Appearance	Natural Color
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	75		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% Strain	2.80	MPa	
300% Strain	4.00	MPa	
Tensile Strength (Break)	8.00	MPa	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Tear Strength	36.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	22	%	
70°C, 22 hr	48	%	
100°C, 22 hr	68	%	
Additional Information	**Nominal Value**		**Test Method**
Ozone Resistance - Stressed	No Cracks		ASTM D518
Injection	**Nominal Value**	**Unit**	
Suggested Max Regrind	20	%	
Rear Temperature	155 to 175	°C	

Middle Temperature	165 to 185	°C
Front Temperature	175 to 195	°C
Nozzle Temperature	195 to 225	°C
Mold Temperature	25.0 to 50.0	°C

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	160 to 180	°C
Cylinder Zone 2 Temp.	165 to 185	°C
Cylinder Zone 3 Temp.	170 to 190	°C
Cylinder Zone 4 Temp.	185 to 205	°C
Cylinder Zone 5 Temp.	190 to 220	°C
Die Temperature	195 to 225	°C

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