Elastron® G G400.A65.N

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, colorable unfilled SEBS based thermoplastic elastomer (TPE) compound which has very good physical properties and chemical resistance. This product is a good option when good scratch and abrasion resistance is required.
Bondable to: PP, EVA, PE

General Information			
Features	Block Copolymer		
	Bondability		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Colorability		
	Scratch Resistant		
	Soft		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.890	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	3.0	%	
Across Flow	1.4	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	65		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Abrasion	100	mm³	ASTM D1630
Ozone Resistance - Stressed	No Cracks		ASTM D518
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% Strain	1.80	MPa	
300% Strain	3.00	MPa	
Tensile Strength (Break)	10.0	MPa	ASTM D412
Tensile Elongation (Break)	950	%	ASTM D412
Tear Strength	41.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	20	%	
70°C, 22 hr	44	%	

100°C, 22 hr	66	%

Injection	Nominal Value	Unit
Suggested Max Regrind	20	%
Rear Temperature	145 to 175	°C
Middle Temperature	155 to 185	°C
Front Temperature	160 to 190	°C
Nozzle Temperature	175 to 205	°C
Mold Temperature	25.0 to 50.0	°C

Recommended distributors for this material

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