Elastron® D D101.A63.N

Styrene Butadiene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, colorable SBS based thermoplastic elastomer (TPE) compound designed for general purpose applications.
Bondable to: PP, EVA, PE

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	3.4	%	
Across Flow	1.5	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	63		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	2.10	MPa	
300% Strain	3.10	MPa	
Tensile Strength (Break)	4.50	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Tear Strength	25.0	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	15	%	ASTM D395
Injection	Nominal Value	Unit	
Suggested Max Regrind	20	%	
Rear Temperature	140 to 150	°C	
Middle Temperature	145 to 160	°C	

Front Temperature	150 to 165	°C
Nozzle Temperature	165 to 185	°C
Mold Temperature	25.0 to 50.0	°C
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	135 to 155	°C
Cylinder Zone 2 Temp.	140 to 160	°C
Cylinder Zone 3 Temp.	140 to 160	°C
Cylinder Zone 4 Temp.	150 to 170	°C
Cylinder Zone 5 Temp.	150 to 180	°C
Die Temperature	160 to 190	°C

Recommended distributors for this material

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