

# Elastron® D D101.A53.B

Styrene Butadiene Styrene Block Copolymer

Elastron USA, Inc.

Message:

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

General Information			
Features	Block Copolymer		
	Bondability		
	General Purpose		
	Soft		
Uses	General Purpose		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow	3.2	%	
Across Flow	1.4	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	53		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	0.700	MPa	
300% Strain	1.50	MPa	
Tensile Strength (Break)	3.50	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Tear Strength	33.0	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	16	%	ASTM D395
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
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

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#### Recommended distributors for this material

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