

Elastron® D D101.A83.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 ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	2.4	%	
Across Flow	1.1	%	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	83		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	2.80	MPa	
300% Strain	3.30	MPa	
Tensile Strength (Break)	6.50	MPa	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Tear Strength	41.0	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	20	%	ASTM D395

Injection	Nominal Value	Unit
Suggested Max Regrind	20	%
Rear Temperature	140 to 160	°C
Middle Temperature	145 to 165	°C
Front Temperature	155 to 175	°C

Nozzle Temperature	155 to 185	°C
Mold Temperature	25.0 to 50.0	°C
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	140 to 160	°C
Cylinder Zone 2 Temp.	140 to 160	°C
Cylinder Zone 3 Temp.	145 to 165	°C
Cylinder Zone 4 Temp.	155 to 175	°C
Cylinder Zone 5 Temp.	155 to 185	°C
Die Temperature	165 to 195	°C

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