

Elastron® G G101.D47.B

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A hard, black 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		
	High Hardness		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.8	%	
Across Flow	1.5	%	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	47		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	8.40	MPa	
300% Strain	10.2	MPa	
Tensile Strength (Break)	15.0	MPa	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Tear Strength	54.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	70	%	
70°C, 22 hr	80	%	
100°C, 22 hr	75	%	

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

Additional Information	Nominal Value	Test Method
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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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