

# Elastron® G P.G100.A55.B

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, black SEBS based thermoplastic elastomer (TPE) compound designed for use in medical applications.  
Bondable to: PP, EVA, PE

General Information			
UL YellowCard	E336670-101335587		
Features	Block Copolymer		
	Bondability		
	Soft		
Uses	Medical/Healthcare Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.9	%	
Across Flow	0.91	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	1.50	MPa	
300% Strain	2.10	MPa	
Tensile Strength (Break)	4.00	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Tear Strength	27.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	19	%	
70°C, 22 hr	45	%	
100°C, 22 hr	67	%	
Additional Information	Nominal Value		Test Method
Ozone Resistance - Stressed	No Cracks		ASTM D518
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

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Recommended distributors for this material

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