

# Elastron® G G500.A45.N.PS

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

## Message:

A soft, colorable SEBS based thermoplastic elastomer (TPE) compound designed for excellent adhesion to PS.

Bondable to: PS

General Information			
Features	Block Copolymer		
	Bondability		
	Good Adhesion		
	Good Colorability		
	Soft		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.6	%	
Across Flow	1.2	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	0.800	MPa	
300% Strain	1.40	MPa	
Tensile Strength (Break)	2.00	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength	21.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	18	%	
70°C, 22 hr	80	%	
Additional Information	Nominal Value		Test Method
Ozone Resistance - Stressed	No Cracks		ASTM D518
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	

Suggested Max Regrind	20	%
Rear Temperature	160 to 180	°C
Middle Temperature	170 to 190	°C
Front Temperature	180 to 200	°C
Nozzle Temperature	200 to 220	°C
Mold Temperature	40.0 to 60.0	°C

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