

Elastron® G G500.A40.N.PA

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

Message:

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

Bondable to: PA

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	1.12	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	2.2	%	
Across Flow	1.3	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	1.00	MPa	
300% Strain	2.10	MPa	
Tensile Strength (Break)	2.70	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength	16.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	12	%	
70°C, 22 hr	34	%	
100°C, 22 hr	70	%	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
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	180 to 200	°C
Middle Temperature	190 to 210	°C
Front Temperature	205 to 220	°C
Nozzle Temperature	220 to 230	°C
Mold Temperature	40.0 to 60.0	°C

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