

Elastron® G G401.A40.T

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, transparent SEBS based thermoplastic elastomer (TPE) compound designed for extrusion molding applications.

Bondable to: PP, EVA, PE

General Information			
Features	Block Copolymer		
	Bondability		
	Soft		
RoHS Compliance	RoHS Compliant		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	3.4	%	
Across Flow	1.8	%	
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	1.20	MPa	
300% Strain	2.00	MPa	
Tensile Strength (Break)	6.00	MPa	ASTM D412
Tensile Elongation (Break)	650	%	ASTM D412
Tear Strength	32.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	15	%	
70°C, 22 hr	79	%	
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
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	150 to 170	°C
Cylinder Zone 2 Temp.	155 to 175	°C
Cylinder Zone 3 Temp.	165 to 185	°C
Cylinder Zone 4 Temp.	175 to 205	°C
Cylinder Zone 5 Temp.	180 to 210	°C
Die Temperature	190 to 210	°C

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