

Elastron® G G601.A45.B

Styrene Ethylene Butylene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, black halogen free flame retardant (HFFR) SEBS based thermoplastic elastomer (TPE) compound with superior UV resistance.

Bondable to: PP, EVA, PE

General Information			
UL YellowCard	E336670-100940833		
Additive	Flame Retardant		
Features	Block Copolymer		
	Bondability		
	Flame Retardant		
	Good UV Resistance		
	Halogen Free		
	Soft		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792
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	0.900	MPa	
300% Strain	1.40	MPa	
Tensile Strength (Break)	2.00	MPa	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Tear Strength	13.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	11	%	
70°C, 22 hr	43	%	
100°C, 22 hr	73	%	
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94

Additional Information	Nominal Value	Test Method
Ozone Resistance - Stressed	No Cracks	ASTM D518

Injection	Nominal Value	Unit
Drying Temperature	90.0	°C
Drying Time	2.0	hr
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
Drying Temperature	90.0	°C
Drying Time	2.0	hr
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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