

## Elastron G601.A45.B

### TECHNICAL DATASHEET

#### Product Description

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

#### General Properties

<b>Color</b>	Black	
<b>Certifications</b>	RoHS	
<b>Processing Method</b>	Injection	Extrusion
<b>Available Standards</b>	ASTM	

#### Physical Properties

Property	Unit	Standard	Value
<b>Hardness</b>	SHORE A	ASTM D 2240	45
<b>Density</b>	g/cm <sup>3</sup>	ASTM D 792	1.14
<b>Tensile Strength at Break</b>	MPa	ASTM D 412	2
<b>Mod.of Elasticity %100</b>	MPa		0.90
<b>Mod.of Elasticity %300</b>	MPa		1.40
<b>Elongation at break</b>	%		450
<b>Compression Set</b>	% @ 23°C 22 h	ASTM D 395	11
	% @ 70°C 22 h		43
	% @ 100°C 22 h		73
<b>Abrasion</b>	mm <sup>3</sup>	ASTM D 1630	
<b>Flammability Rating</b>	HB, V <sub>0</sub> , V <sub>1</sub> , V <sub>2</sub>	UL 94	V0
<b>Tear Resistance</b>	N/mm	ASTM D 624	13

#### Ageing Tests

<b>Ozone Resistance</b>	Stressed	ASTM D 1149	No Cracks
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#### Bondable to

PP,EVA,PE

#### Processing

##### Injection Molding Parameters

Molding Temperatures	Temperature (°C)
Rear	145 - 175
Center	155 - 185
Front	160 - 190
Nozzle	175 - 205
Mold	25-50
<b>Recommended Predrying</b>	2 hours at 90°C

## Extrusion Molding Parameters

Molding Temperatures	Temperature (°C)
Feed	150 - 170
Rear	155 - 175
Center	165 - 185
Front	175 - 205
Head	180 - 210
Die	190 - 210

  

<b>Recommended Predrying</b>	2 hours at 90°C
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## Additional information

ELASTRON Products are not compatible with PVC and Acetal.  
Regrinding level up to %20 is recommended with minimum property loss.

## Shrinkage

	Value (%)	Test Standard
Longitudinal Shrinkage	2,52	ASTM D955
Cross Shrinkage	0,85	ASTM D955

### Notes

The properties shown are typical values and are not intended as product specifications. This statement is only valid for the product mentioned above. We can not guarantee for the final products due to additional processing at your plant which is not under our control.

## ISO 9001:2008 & ISO TS 16949 & ISO 14001 REGISTERED QUALITY SYSTEMS

