

## Elastron G601.A80.N

### TECHNICAL DATASHEET

#### Product Description

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

#### General Properties

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

#### Physical Properties

Property	Unit	Standard	Value
<b>Hardness</b>	SHORE A	ASTM D 2240	80
<b>Density</b>	g/cm <sup>3</sup>	ASTM D 792	1,14
<b>Tensile Strength at Break</b>	MPa	ASTM D 412	6,0
<b>Mod.of Elasticity %100</b>	MPa		3,3
<b>Mod.of Elasticity %300</b>	MPa		4,3
<b>Elongation at break</b>	%		500
<b>Compression Set</b>	% @ 23°C 22 h	ASTM D 395	18
	% @ 70°C 22 h		53
	% @ 100°C 22 h		79
<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	35

#### Ageing Tests

<b>Ozone Resistance</b>	Stressed	ASTM D 518	No Cracks
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#### Bondable to

PP, EVA, PE

#### Processing

##### Injection Molding Parameters

Molding Temperatures	Temperature (°C)
Rear	155 - 175
Center	165 - 185
Front	175 - 195
Nozzle	195 - 225
Mold	25-50
<b>Recommended Predrying</b>	2 hours at 90°C

## Extrusion Molding Parameters

Molding Temperatures	Temperature (°C)
Feed	160 - 180
Rear	165 - 185
Center	170 - 190
Front	185 - 205
Head	190 - 220
Die	195 - 225

**Recommended Predrying** 2 hours at 90°C

## 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		ASTM D955
Cross Shrinkage		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



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