

## Elastron G100.A85.N

(Old code: 117.001.A85.GIF.U)

### TECHNICAL DATASHEET

#### Product Description

A soft, colorable SEBS based thermoplastic elastomer (TPE) compound that offers good physical properties and chemical resistance.

#### General Properties

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

#### Physical Properties

Property	Unit	Standart	Value
<b>Hardness</b>	SHORE A	ASTM D 2240	85
<b>Density</b>	g/cm <sup>3</sup>	ASTM D 792	1,16
<b>Tensile Strength at Break</b>	MPa	ASTM D 412	8,0
<b>Mod.of Elasticity %100</b>	MPa		3,3
<b>Mod.of Elasticity %300</b>	MPa		4,5
<b>Elongation at break</b>	%		700
<b>Compression Set</b>	% @ 23°C 22 h	ASTM D 395	26
	% @ 70°C 22 h		60
	% @ 100°C 22 h		80
<b>Tear Resistance</b>	N/mm	ASTM D 624	53

#### Ageing Tests

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

PP, EVA, PE

#### Processing

#### Injection Molding Paramaters

Molding Temperatures	Temperature (°C)
Rear	155 - 175
Center	165 - 185
Front	175 - 195
Nozzle	195 - 225
Mold	25-50
<b>Predrying</b>	Not Necessary

## 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
<b>Predrying</b>	Not Necessary

### 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	1,58	ASTM D955
Cross Shrinkage	1,23	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 9001:2000 & ISO TS 16949 REGISTERED QUALITY SYSTEMS

