

## Elastron G100.A55.B

### TECHNICAL DATASHEET

#### Product Description

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

#### General Properties

Color	Black
Certifications	RoHS
Processing Method	Injection
Available Standards	ASTM

#### Automotive Specifications

GM / QK 007000

#### Physical Properties

Property	Unit	Standard	Value
Hardness	SHORE A	ASTM D 2240	55
Density	g/cm <sup>3</sup>	ASTM D 792	1.16
Tensile Strength at Break	MPa	ASTM D 412	4
Mod.of Elasticity %100	MPa		1.50
Mod.of Elasticity %300	MPa		2.10
Elongation at break	%		700
Compression Set	% @ 23°C 22 h	ASTM D 395	19
	% @ 70°C 22 h		45
	% @ 100°C 22 h		67
Abrasion	mm <sup>3</sup>	ASTM D 1630	
Flammability Rating	HB, V <sub>0</sub> , V <sub>1</sub> , V <sub>2</sub>	UL 94	HB
Tear Resistance	N/mm	ASTM D 624	27

#### Ageing Tests

Ozone Resistance	Stressed	ASTM D 1149	No Cracks
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#### Bondable to

PP,EVA,PE

#### Processing

#### Injection Molding Paramaters

Molding Temperatures	Temperature (°C)
Rear	145 - 175
Center	155 - 185
Front	160 - 190
Nozzle	175 - 205
Mold	25-50

## 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	1,91	ASTM D955
Cross Shrinkage	0,91	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



FR.07.03.16 Rev.02