

Elastron P.G101.A45.N

(Old code: 433.001.A45.GEF.PU)

TECHNICAL DATASHEET

Product Description

A soft, colorable SEBS based thermoplastic elastomer (TPE) compound designed for medical applications.

General Properties

Color	Natural	
Certifications	RoHS	
Processing Method	Extrusion	Injection
Available Standarts	ASTM	

Physical Properties

Property	Unit	Standart	Value
Hardness	SHORE A	ASTM D 2240	45
Density	g/cm ³	ASTM D 792	1,17
Tensile Strength at Break	MPa	ASTM D 412	4,0
Mod.of Elasticity %100	MPa		1,1
Mod.of Elasticity %300	MPa		2,1
Elongation at break	%		800
Compression Set	% @ 23°C 22 h	ASTM D 395	14
	% @ 70°C 22 h		48
	% @ 100°C 22 h		65
Tear Resistance	N/mm	ASTM D 624	22

Ageing Tests

Ozone Resistance	Stressed	ASTM D 518	No Cracks
-------------------------	----------	------------	-----------

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
Predrying	Not Necessary

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
Predrying	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	2,18	ASTM D955
Cross Shrinkage	2,16	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

