

Elastron

P.G401.A70.N

TECHNICAL DATASHEET

Product Description

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

General Properties

Color	Natural
Certifications	RoHS
Processing Method	Injection Extrusion
Available Standards	ASTM
USP Class VI Compliance	USP Class VI Compliant

Physical Properties

Property	Unit	Standard	Value
Hardness	SHORE A	ASTM D 2240	70
Density	g/cm ³	ASTM D 792	0.89
Tensile Strength at Break	MPa	ASTM D 412	10
Mod.of Elasticity %100	MPa		2.60
Mod.of Elasticity %300	MPa		4.10
Elongation at break	%		950
Compression Set	% @ 23°C 22 h	ASTM D 395	19
	% @ 70°C 22 h		43
	% @ 100°C 22 h		68
Tear Resistance	N/mm	ASTM D 624	45

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

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

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	2.41	ASTM D955
Cross Shrinkage	1.18	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: 2015 & IATF16949: 2016 & ISO 14001: 2015 REGISTERED QUALITY SYSTEMS

