

Elastron V100.A78.B

TECHNICAL DATASHEET

Product Description

A soft, black thermoplastic vulcanizate, TPV (EPDM/PP) in the thermoplastic elastomer (TPE) family designed for injection applications.

General Properties

Color	Black
Certifications	RoHS
Processing Method	Injection
Available Standards	ASTM

Physical Properties

Property	Unit	Standard	Value
Hardness	SHORE A	ASTM D 2240	78
Density	g/cm ³	ASTM D 792	0,93
Tensile Strength at Break	MPa	ASTM D 412	6,5
Mod.of Elasticity %100	MPa		2,4
Mod.of Elasticity %300	MPa		4,5
Elongation at break	%	ASTM D 395	450
Compression Set	% @ 23°C 22 h		26
	% @ 70°C 22 h		38
	% @ 100°C 22 h	43	
Flammability Rating	HB, V ₀ , V ₁ , V ₂	UL 94	HB
Tear Resistance	N/mm	ASTM D 624	38

Ageing Tests

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

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
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	2,01	ASTM D955
Cross Shrinkage	1,40	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



Rev.01 08.11.2012