

Elastron

G993.A90.N

TECHNICAL DATASHEET**PRODUCT DESCRIPTION**

A hard , colorable SEBS based thermoplastic elastomer (TPE) compound designed for carpet backing application.

GENERAL PROPERTIES

Color	Natural
Certifications	RoHS
Processing Method	Injection
Available Standards	ASTM

Physical Properties			
Property	Unit	Standard	Value
Density	g/cm ³	ASTM D 792	1.11
Durometer Hardness, 3 sec	Shore A	ASTM D 2240	90.00
Tensile Strength at Break	MPa	ASTM D412, Method A	4.10
Mod.of Elasticity %100	MPa	ASTM D412, Method A	2.50
Mod.of Elasticity %300	MPa	ASTM D412, Method A	4.10
Elongation at break	%	ASTM D412, Method A	300.00
Tear Resistance	N/mm	ASTM D624	32.00
pH	-	In- house	7.500
Water content	%	ASTM D6980	0.500

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Rev.00003

Page 1 / 3

Elastron

G993.A90.N

Ageing Tests

Ozone Resistance	Stressed	ASTM D 1149	
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Bondable to

PE-PP-EVA

Drying time	hours	No need
Rear Zone temp.	°C	145- 175
Middle Zone temp.	°C	155- 185
Front Zone temp.	°C	160- 190
Nozzle Temperature	°C	175- 205
Injection Speed	-	Low/ Mod
Injection Time	sec.	3- 5
Injection Pressure	bar	10- 40
Hold Pressure	bar	5- 20
Back Pressure	bar	5- 40
Screw Speed	rpm	50- 200
Mold Temperature	°C	25- 50
Screw Comp. ratio	-	1.5:1- 2.0:1
Screw L/D ratio	-	18- 24
Residence time	-	1-2 shot
Cushion size	mm	8
Suggested Max Regrind	%	20
Drying time	hours	-
Screw Comp. Ratio	-	-
Screw L/D	-	-
Feed Zone temp.	°C	-
Rear Zone temp.	°C	-
Center Zone temp.	°C	-
Front Zone temp.	°C	-
Head temp.	°C	-
Die temp.	°C	-
Suggested Max Regrind	%	-

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Additional Information

Elastron products are not compatible with PVC and Acetal.

Regrinding level up to %20 is recommended with minimum property loss.

Shrinkage	Unit	Standard	Value
Flow	%	ASTM D955	
Across Flow	%	ASTM D955	

Notes

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