

Elastron

G993.A40.N(Preliminary Data)

TECHNICAL DATASHEET

PRODUCT DESCRIPTION

A soft , 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	40.00
Tensile Strength at Break	MPa	ASTM D412, Method A	1.50
Mod.of Elasticity %100	MPa	ASTM D412, Method A	0.60
Mod.of Elasticity %300	MPa	ASTM D412, Method A	1.10
Elongation at break	%	ASTM D412, Method A	400.00
Tear Resistance	N/mm	ASTM D624	14.00
pH	-	In- house	7.500
Water content	%	ASTM D6980	0.500

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Rev.00001

Page 1 / 3

Elastron

G993.A40.N(Preliminary Data)

Ageing Tests			
Ozone Resistance	Stressed	ASTM D 1149	
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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