Elastron

D100.A20.N

TECHNICAL DATASHEET

PRODUCT DESCRIPTION

A soft , colorable SBS-based thermoplastic elastomer (TPE) compound designed for injection molding applications.

GENERAL PROPERTIES

Color	Natural
Certifications	RoHS
Processing Method	Injection
Available Standards	ASTM

Physical Properties

Property	Unit	Standard	Value
Density	g/cm³	ASTM D 792	1.22
Hardness, 3 sec	Shore A	ASTM D 2240	20.00
Tensile Strength at Break	MPa	ASTM D412, Method A	2.00
Mod.of Elasticity %100	MPa	ASTM D412, Method A	0.30
Mod.of Elasticity %300	MPa	ASTM D412, Method A	0.70
Elongation at Break	%	ASTM D412, Method A	850.00
Tear Resistance	N/mm	ASTM D624	8.00

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Ageing Tests			
Ozone Resistance	Stressed	ASTM D 1149	

Bondable to
PP-PS

Processing		
Injection	**Unit**	**Value**
Drying temperatures	°C	-
Drying time	hours	No need
Rear Zone temp.	°C	140-150
Middle Zone temp.	°C	145-160
Front Zone temp.	°C	150-165
Nozzle Temperature	°C	165-185
Injection Speed	-	Low
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	%	-

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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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