



Elastron

G601.A90.B

TECHNICAL DATASHEET

PRODUCT DESCRIPTION

A hard , black copper stabilised halogen free flame retardant (HFFR) SEBS based thermoplastic elastomer (TPE) compound with good UV resistance.

GENERAL PROPERTIES

Color Black
Certifications RoHS

Processing Method Injection Extrusion

Available Standards ASTM

Unit	01 1 1	
	Standard	Value
g/cm³	ASTM D 792	1.14
Shore A	ASTM D 2240	90.00
MPa	ASTM D412, Method A	7.50
MPa	ASTM D412, Method A	3.80
MPa	ASTM D412, Method A	5.10
%	ASTM D412, Method A	500.00
% at 23°C, 22 h	ASTM D 395, Type 2, Method B	21.00
% at 70°C, 22 h	ASTM D 395, Type 2, Method B	56.00
% at 100°C, 22 h	ASTM D 395, Type 2, Method B	80.00
HB, V0, V1, V2	UL 94	V0
N/mm	ASTM D624	42.00
	g/cm³ Shore A MPa MPa MPa MPa % % at 23°C, 22 h % at 70°C, 22 h % at 100°C, 22 h HB, V0, V1, V2	g/cm³ ASTM D 792 Shore A ASTM D 2240 MPa ASTM D412, Method A MPa ASTM D412, Method A MPa ASTM D412, Method A % ASTM D412, Method A % at 23°C, 22 h ASTM D 395, Type 2, Method B % at 70°C, 22 h ASTM D 395, Type 2, Method B % at 100°C, 22 h ASTM D 395, Type 2, Method B HB, V0, V1, V2 UL 94

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Ageing Tests					
Property	Unit	Standard	Value		
Ozone Resistance	Stressed	ASTM D 1149	No cracks		
Bondable to					

PF-PP-FVA

	PE-PP-EVA				
Processing					
Injection	Unit	Value			
Orying temperatures	°C	90			
Drying time	hours	2 hours			
Rear Zone temp.	°C	145- 175			
Middle Zone temp.	°C	155- 185			
Front Zone temp.	°C	160- 190			
Nozzle Temperature	°C	175- 205			
njection Speed	-	Low/ Mod			
njection Time	sec.	2- 4			
njection 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- 3.0:1			
Screw L/D ratio	-	18- 24			
Residence time	-	1- 2 shot			
Cushion size	mm	8			
Suggested Max Regrind	%	20			
Drying time	hours	2 hours			
Screw Comp. Ratio	-	1.5:1- 3.0:1			
Screw L/D	-	18- 30			
Feed Zone temp.	°C	150- 170	150- 170		
Rear Zone temp.	°C	155- 175			
Center Zone temp.	°C	165- 185	165- 185		
Front Zone temp.	°C	175- 205	175- 205		
Head temp.	°C	180- 210	180- 210		
Die temp.	°C	190- 210	190- 210		
Suggested Max Regrind	%	20			
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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	1.33
Across Flow	%	ASTM D955	0.78

Notes

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ISO 9001: 2015 & IATF16949: 2016 & ISO 14001: 2015 REGISTERED QUALITY SYSTEMS









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