

PRODUCT DESCRIPTION

GENERAL PROPERTIES

Material Status	Active
Availability	Europe North America Asia- Pasific Africa & Middle East
Features	Ozone Resistance Adhesion to Polyolefins Recyclable Compliant with RoHS Directive 2011/65/EU
Certification	RoHS
Appearance	Black
Form	Pellets
Processing Method	Injection,Extrusion

Automotive Specifications

GM/GMW 15812P (TYPE 8E) FCA/MS-AR100-EGV

Physical Properties

Property	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness, 3 sec (Shore A)	90.00	90,00	ASTM D 2240
Tensile Strength at Break	1813 Psi	12,50 MPa	ASTM D412, Method A
Mod.of Elasticity %100	841 Psi	5,80 MPa	ASTM D412, Method A
Mod.of Elasticity %300	1102 Psi	7,60 MPa	ASTM D412, Method A
Elongation at break	550.00 %	550,00 %	ASTM D412, Method A
Compression Set (at 73 °F, 22 h)	32.00 %	32,00 %	ASTM D 395, Type 2, Method B
Compression Set (at 158 °F, 22 h)	49.00 %	49,00 %	ASTM D 395, Type 2, Method B
Compression Set (at 212 °F, 22 h)	53.00 %	53,00 %	ASTM D 395, Type 2, Method B
Tear Resistance	285.51 lbf/in	50,00 N/mm	ASTM D624

Shrinkage

Property	Typical Value (English)	Typical Value (SI)	Test Method
Flow	1.99%	1.99%	ASTM D955
Across Flow	1.07%	1.07%	ASTM D955

Ageing Tests

Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
Ozone Resistance-Stressed	No cracks	No cracks	ASTM D 1149

Bondable to

PE-PP-EVA

Additional Information

Elastron products are not compatible with PVC and Acetal.
Regrinding level up to %20 is recommended with minimum property loss.

Extrusion Molding	Typical Value (English)		Typical Value (SI)	
Drying temperatures	-	°F	-	°C
Drying time	-	hours	-	hours
Screw Comp. Ratio	-	-	-	-
Screw L/D	-	-	-	-
Feed Zone temp.	-	°F	-	°C
Rear Zone temp.	-	°F	-	°C
Center Zone temp.	-	°F	-	°C
Front Zone temp.	-	°F	-	°C
Head temp.	-	°F	-	°C
Die temp.	-	°F	-	°C
Suggested Max Regrind	-	%	-	%

Notes

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