



Elastamax™ EG-9177

Thermoplastic Elastomer

Key Characteristics

Product Description

The Elastamax™ EG 9100 Series is a new family of olefin-based TPE compounds offering outstanding elastomeric performance in a lightweight and easy to process material. The EG 9100 Series of compounds feature unique high melt strength and shear thinning characteristics compared to conventional TPE materials for enhanced processability in extrusion applications

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Features	• General Purpose		
Uses	• Automotive Applications • Construction Applications	• Good Melt Strength • Consumer Applications • General Purpose	• Industrial Applications
Forms	• Pellets		
Processing Method	• Blow Molding • Extrusion	• Foam Extrusion • Profile Extrusion	• Sheet Extrusion

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	0.880	0.878	ASTM D792
Melt Mass-Flow Rate (MFR) ² (190°C/5.0 kg)	3.5 g/10 min	3.5 g/10 min	ASTM D1238
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress ³ (100% Strain)	610 psi	4.21 MPa	ASTM D412A
Tensile Stress ³ (200% Strain)	690 psi	4.76 MPa	ASTM D412A
Tensile Stress ³ (300% Strain)	750 psi	5.17 MPa	ASTM D412A
Tensile Strength ³ (Yield)	850 psi	5.86 MPa	ASTM D412A
Tensile Elongation ³ (Break)	520 %	520 %	ASTM D412A
Tear Strength ⁴	220 lbf/in	39 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	77	77	
Shore A, 15 sec	74	74	

Notes

¹ Typical values are not to be construed as specifications.

² Procedure A

³ 20 in/min (510 mm/min)

⁴ Die C, 20 in/min (510 mm/min)

CONTACT INFORMATION

Americas

Argentina - Buenos Aires
+0054 11 4200 5917

Brasil - Campinas
+55 19 3206 0561

Mexico - Toluca
+52 722 2790200

United States - Avon Lake
+1 440 930 1000

United States - McHenry
+1 (815) 385-8500

Asia

China - Shenzhen
+86 (0) 755 2969 2888

China - Suzhou
+86 (0) 512 6823 24 38

China - Suzhou
+86 512 6265 2600

Hong Kong -
+852 2690 5332

India - Mumbai
+91 9820 194 220

Taiwan - Yonghe City,
+886 9396 99740

Europe

Germany - Gaggenau
+49 (0) 7225 6802 0

Netherlands - The Netherlands
+31 (0) 165 331 293

Spain - Barbastro (Huesca)
+34 (0) 9 7431 0314

Turkey - Cekmece-Istanbul-Türkiye
+90 (0) 212 549 2256



Beyond Polymers.

Better Business Solutions. SM

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia

No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 (0) 21 5080 1188

PolyOne Europe

2 Rue Melville Wilson
5330 Assesse, Belgium
+32 (0) 83 660 211