



Elastamax™ EG-9077

Thermoplastic Elastomer

Key Characteristics

Product Description

The Elastamax™ EG 9000 Series is a new family of olefin-based TPE compounds offering outstanding elastomeric performance in a lightweight and easy to process material. The EG 9000 Series of compounds feature unique high melt flow and shear thinning characteristics compared to conventional TPE materials for enhanced processability in injection molding applications

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Features	• General Purpose	• High Flow	• Low Density
Uses	• Automotive Applications • Construction Applications	• Consumer Applications • General Purpose	• Industrial Applications
Forms	• Pellets		
Processing Method	• Injection Molding		

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)	18 g/10 min	18 g/10 min	ASTM D1238
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress ³ (100% Strain)	430 psi	2.96 MPa	ASTM D412A
Tensile Stress ³ (200% Strain)	530 psi	3.65 MPa	ASTM D412A
Tensile Stress ³ (300% Strain)	580 psi	4.00 MPa	ASTM D412A
Tensile Strength ³ (Break)	570 psi	3.93 MPa	ASTM D412A
Tensile Elongation ³ (Break)	460 %	460 %	ASTM D412A
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	76	76	
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)

CONTACT INFORMATION

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