Elastamax™ EG-9165

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	• Good Melt Strength	
Uses	• Automotive Applications • Construction Applications	• 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)	11 g/10 min	11 g/10 min	ASTM D1238
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress [3] (100% Strain)	435 psi	3.00 MPa	ASTM D412A
Tensile Stress [3] (200% Strain)	510 psi	3.52 MPa	ASTM D412A
Tensile Stress [3] (300% Strain)	585 psi	4.03 MPa	ASTM D412A
Tensile Strength [3] (Yield)	615 psi	4.24 MPa	ASTM D412A
Tensile Elongation [3] (Break)	460 %	460 %	ASTM D412A
Tear Strength [4]	200 lbf/in	35 kN/m	ASTM D624
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	65	65	
Shore A, 15 sec	63	63	

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)

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Beyond Polymers.

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