



Elastamax™ XL-2165

Thermoplastic Polyolefin Elastomer

Key Characteristics

Product Description

PolyOne's Elastamax™ XL thermoplastic olefins (TPOs) are based on pelletized blends of polyolefin resins and select elastomers such as EPDM. These materials have been engineered to provide a balance of physical properties and processability, and are an economical alternative to traditional thermoset rubber and more costly thermoplastic elastomers.

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• UV Stabilizer		
Features	• General Purpose		
Uses	• Construction Applications	• General Purpose	• Industrial Applications
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.02	1.02	ASTM D792
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress ² (100% Strain)	1340 psi	9.24 MPa	ASTM D412A
Tensile Strength ² (Break)	1610 psi	11.1 MPa	ASTM D412A
Tensile Elongation ² (Break)	250 %	250 %	ASTM D412A
Tear Strength ³	190 lbf/in	33.3 kN/m	ASTM D624
Compression Set (73°F (23°C), 22 hr)	43 %	43 %	ASTM D395B
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 5 sec)	68	68	ASTM D2240
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Dielectric Strength (0.125 in (3.18 mm))	350 V/mil	14 kV/mm	ASTM D149

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)

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