



Elastamax™ XL-2175

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
Density / Specific Gravity	1.03	1.03	ASTM D792
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress ² (100% Strain)	640 psi	4.41 MPa	ASTM D412A
Tensile Stress ² (300% Strain)	770 psi	5.31 MPa	ASTM D412A
Tensile Strength ² (Break)	1120 psi	7.72 MPa	ASTM D412A
Tensile Elongation ² (Break)	700 %	700 %	ASTM D412A
Tear Strength ³	280 lbf/in	49.0 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			ASTM D2240
Shore A	86	86	
Shore A, 15 sec	81	81	

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)