



# Elastamax™ XL-2155

## 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 <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.02	1.02	ASTM D792
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress <sup>2</sup> (100% Strain)	890 psi	6.14 MPa	ASTM D412A
Tensile Stress <sup>2</sup> (300% Strain)	1210 psi	8.34 MPa	ASTM D412A
Tensile Strength <sup>2</sup> (Break)	1270 psi	8.76 MPa	ASTM D412A
Tensile Elongation <sup>2</sup> (Break)	370 %	370 %	ASTM D412A
Tear Strength <sup>3</sup>	110 lbf/in	19.3 kN/m	ASTM D624
Compression Set (73°F (23°C), 22 hr)	36 %	36 %	ASTM D395B
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 5 sec)	52	52	ASTM D2240

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> 20 in/min (510 mm/min)

<sup>3</sup> Die C, 20 in/min (510 mm/min)