

PolyOne Elastamax™ XL-2165 Thermoplastic Polyolefin Elastomer (TPO (POE))

Category : Polymer , Thermoplastic , Elastomer, TPE , Olefinic TPE

Material Notes:

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. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Elastamax-XL-2165-Thermoplastic-Polyolefin-Elastomer-TPO-POE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	5 sec; ASTM D2240
Tensile Strength at Break	11.1 MPa	1610 psi	510 mm/min; ASTM D412A
Tensile Stress	9.24 MPa @Strain 100 %	1340 psi @Strain 100 %	510 mm/min; ASTM D412A
Elongation at Break	250 %	250 %	510 mm/min; ASTM D412A
Tear Strength	33.3 kN/m	190 pli	Die C, 510 mm/min; ASTM D624
Compression Set	43 % @Temperature 23.0 °C, Time 79200 sec	43 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395B

Descriptive Properties	Value	Comments
Additive	UV Stabilizer	
Features	General Purpose	
Forms	Pellets	
Generic Material	TPO (POE)	
Generic Name	Thermoplastic Polyolefin Elastomer (TPO (POE))	
Processing Method	Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	

Descriptive Properties	Value	Comments
	North America	
	South America	
Uses	Construction Applications	
	General Purpose	
	Industrial Applications	

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