

# Elastamax™ XL-2055

Thermoplastic Polyolefin Elastomer

PolyOne Corporation

Message:

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 Information			
Additive	UV Stabilizer		
Features	General Purpose		
Uses	Construction Applications		
	General Purpose		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	54		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup>			ASTM D412A
100% Strain	2.96	MPa	
300% Strain	3.93	MPa	
Tensile Strength <sup>2</sup> (Break)	5.31	MPa	ASTM D412A
Tensile Elongation <sup>3</sup> (Break)	620	%	ASTM D412A
Tear Strength <sup>4</sup>	26.3	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	30	%	ASTM D395B
NOTE			
1.	510 mm/min		
2.	510 mm/min		
3.	510 mm/min		
4.	Die C, 510 mm/min		

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