# Elastamax™ XL-2055

## 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 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<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Additive | • UV Stabilizer | | |
| Features | • General Purpose | | |
| Uses | • Construction Applications | • General Purpose | • Industrial Applications |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

### Technical Properties [1]

| 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 [2] (100% Strain) | 430 psi | 2.96 MPa | ASTM D412A |
| Tensile Stress [2] (300% Strain) | 570 psi | 3.93 MPa | ASTM D412A |
| Tensile Strength [2] (Break) | 770 psi | 5.31 MPa | ASTM D412A |
| Tensile Elongation [2] (Break) | 620 % | 620 % | ASTM D412A |
| Tear Strength [3] | 150 lbf/in | 26.3 kN/m | ASTM D624 |
| Compression Set (73°F (23°C), 22 hr) | 30 % | 30 % | ASTM D395B |
| **Hardness** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Durometer Hardness (Shore A, 5 sec) | 54 | 54 | ASTM D2240 |

**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)