

# Elastamax™ TM0200-0085 Black

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                                    | Automotive Applications   |                   |             |
|   | Construction Applications |                   |             |
|   | General Purpose           |                   |             |
|   | Industrial Applications   |                   |             |
| Forms                                   | Pellets                   |                   |             |
| Physical                                | Nominal Value             | Unit              | Test Method |
| Specific Gravity                        | 1.03                      | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR)               | 15                        | g/10 min          | ASTM D1238  |
| Hardness                                | Nominal Value             | Unit              | Test Method |
| Durometer Hardness (Shore A, 10 sec)    | 89                        |                   | ASTM D2240  |
| Elastomers                              | Nominal Value             | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Break)   | 9.65                      | MPa               | ASTM D412A  |
| Tensile Elongation <sup>2</sup> (Break) | 700                       | %                 | ASTM D412A  |
| Tear Strength <sup>3</sup>              | 59.5                      | kN/m              | ASTM D624   |
| Impact                                  | Nominal Value             | Unit              | Test Method |
| Notched Izod Impact                     | 290                       | J/m               | ASTM D256   |
| NOTE                                    |                           |                   |             |
| 1.                                      | 510 mm/min                |                   |             |
| 2.                                      | 510 mm/min                |                   |             |
| 3.                                      | Die C, 510 mm/min         |                   |             |

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