# DEXFLEX® 756-68E

## Thermoplastic Polyolefin Elastomer

## LyondellBasell Advanced Polyolefins USA, Inc.

| Product Description |
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| DEXFLEX 756-68E is a thermplastic olefinic elastomer (TPO) designed for use as an automotive airbag cover with requirements to deploy at temperatures between -40°C and +100°C. DEXFEX 1012E material is engineered for passenger-side and side airbag covers. |

| General | | | |
|---|---|---|---|
| Features | • High Impact Resistance | • Low Temperature Flexibility | • Low Temperature Impact Resistance |
| Uses | • Automotive Applications | • Automotive Interior Parts | • Plastics Modification |
| Processing Method | • Injection Molding | | |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Specific Gravity | 0.890 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 7.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage | 0.50 to 0.80 | % | ISO 294-4 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength [2] (Yield) | 14.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | > 300 | % | ASTM D638 |
| Flexural Modulus - Tangent [3, 4] | 380 | MPa | ASTM D790 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact | | | ASTM D256 |
| -40°C | No Break | | |
| 23°C | No Break | | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness (Shore D) | 45 | | ASTM D2240<br>ISO 868 |

### Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Type IV, 130 mm/min

[3] 13 mm/min

[4] I.B.