

SEQUEL® E5000

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

SEQUEL® E5000 thermoplastic olefinic elastomer (TPO) is designed for extrusion applications that require high mechanical stiffness, thermal stability, good low-temperature properties, and good dimensional stability over a broad temperature range. This material can be supplied with or without UV stabilizers.

| General Information | | | |
|--|----------------------------|-------------------|--------------|
| Features | Good Dimensional Stability | | |
| | Good Thermal Stability | | |
| | High Stiffness | | |
| Uses | Industrial Applications | | |
| | Outdoor Applications | | |
| | Profiles | | |
| Processing Method | Extrusion | | |
| | Thermoforming | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.15 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 0.97 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress ¹ (Yield, 4.00 mm) | 26.0 | MPa | ISO 527-2/50 |
| Flexural Modulus (4.00 mm) | 2620 | MPa | ISO 178 |
| Thermal | Nominal Value | Unit | Test Method |
| CLTE | | | ASTM E228 |
| Flow : -30 to 80°C | 2.6E-5 | cm/cm/°C | |
| Transverse : -30 to 80°C | 2.6E-5 | cm/cm/°C | |
| NOTE | | | |
| 1. | 150x10x4 mm | | |

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