# DEXFLEX® 777

## Thermoplastic Polyolefin Elastomer

## LyondellBasell Advanced Polyolefins USA, Inc.

### Product Description

DEXFLEX® 777 is a thermoplastic olefinic elastomer (TPO) designed for automotive exterior applications that require a combination of stiffness, good low-temperature impact resistance, and excellent processability.

Applications:
Claddings, rocker panels, body side moldings, and other large components that must exhibit durable paintability or excellent weatherability

### General

| | | | |
|---|---|---|---|
| Features | • Good Processability<br>• Good Stiffness | • Good Weather Resistance<br>• Low Temperature Impact Resistance | • Paintable |
| Uses | • Automotive Exterior Parts | | |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 1.05 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) | 12 | g/10 min | ISO 1133 |
| Molding Shrinkage | | | ISO 294-4 |
| -- [2] | 0.90 to 1.2 | % | |
| -- [3] | 0.70 to 1.0 | % | |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress [4] (Yield, 4.00 mm) | 20.0 | MPa | ISO 527-2/50 |
| Flexural Modulus [5, 6] (4.00 mm) | 1800 | MPa | ISO 178 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Instrumented Dart Impact [7] (23°C) | 20.5 | J | ASTM D3763 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| CLTE - Flow (-30 to 80°C) | 0.000060 | cm/cm/°C | ASTM E228 |

### Notes

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

[2] After bake

[3] As molded

[4] 150x10x4 mm

[5] 2.0 mm/min

[6] 80x10x4 mm specimen

[7] 2.20 m/sec