DEXFLEX® 760

Thermoplastic Polyolefin Elastomer

LyondellBasell Advanced Polyolefins USA, Inc.

Product Description

DEXFLEX® 760 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:
Cladding, Rock Panels, Body Side Moldings, and other large components that must exhibit durable paintability or excellent weatherability.

General

Features	• Good Processability • Good Stiffness	• Good Weather Resistance • Low Temperature Impact Resistance	• Paintable
Uses	• Automotive Applications	• Automotive Exterior Parts	

Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
-- [2]	1.0 to 1.3	%	
-- [3]	0.80 to 1.1	%	
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)	1350	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Instrumented Dart Impact [7] (23°C)	25.0	J	ASTM D3763
Thermal	**Nominal Value**	**Unit**	**Test Method**
CLTE - Flow	0.000075	cm/cm/°C	ASTM D696

Notes

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

[2] After bake

[3] As molded

[4] 150x10x4 mm specimen

[5] 2.0 mm/min

[6] 80x10x4 mm specimen

[7] 2.20 m/sec