

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	<ul style="list-style-type: none"> • Good Processability • Good Stiffness 	<ul style="list-style-type: none"> • Good Weather Resistance • Low Temperature Impact Resistance 	<ul style="list-style-type: none"> • Paintable
Uses	<ul style="list-style-type: none"> • Automotive Applications 	<ul style="list-style-type: none"> • Automotive Exterior Parts 	

Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	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