

DEXFLEX® 440

Thermoplastic Polyolefin Elastomer

LyondellBasell Advanced Polyolefins USA, Inc.

General

Features	• Good Weather Resistance	• Low Temperature Toughness
Uses	• Automotive Exterior Parts	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.2 to 1.5	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	22.8	MPa	ASTM D638
Tensile Elongation (Break)	700	%	ASTM D638
Flexural Modulus	414	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Gardner Impact			ASTM D3029
-30°C	27.1	J	
23°C	18.1	J	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240

Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	0.000090	cm/cm/°C	ASTM D696

Injection	Nominal Value	Unit
Processing (Melt) Temp	188 to 260	°C

Notes

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