

DEXFLEX® D-160NS

Thermoplastic Polyolefin Elastomer

LyondellBasell Advanced Polyolefins USA, Inc.

General

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

Physical

	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 1.3	%	ASTM D955

Mechanical

	Nominal Value	Unit	Test Method
Tensile Strength (Break)	23.4	MPa	ASTM D638
Tensile Elongation (Break)	820	%	ASTM D638
Flexural Modulus	621	MPa	ASTM D790

Impact

	Nominal Value	Unit	Test Method
Gardner Impact			ASTM D3029
-30°C	18.1	J	
23°C	24.9	J	

Hardness

	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240

Thermal

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

Notes

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