

# Microthene PE-LD150P

## LyondellBasell Industries - Low Density Polyethylene

### General Information

#### Product Description

GR52900 are use in a broad range of specialty applications. GR52900 powders combine the unique properties of a polyolefin resin with a small particle size.

#### General

Uses	<ul style="list-style-type: none"> <li>Automotive Applications</li> <li>Color Concentrates</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Applications</li> <li>Structural Parts</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Natural Color</li> </ul>	
Forms	<ul style="list-style-type: none"> <li>Powder</li> </ul>	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.2	g/10 min	ASTM D1238
Moisture Content	< 0.10	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1800	psi	ASTM D638
Tensile Elongation (Break)	550	%	ASTM D638
Flexural Modulus	40000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -105	°F	ASTM D746
Vicat Softening Temperature	207	°F	ASTM D1525
Peak Melting Temperature	230	°F	ASTM D3418