

## Technical Data Sheet

### HDPE-150

High Density Polyethylene



#### Product Description

HDPE-150 are use in a broad range of specialty applications. HDPE-150 powders combine the unique properties of a polyolefin resin with a small particle size.

<b>Forms</b>	Powder		
<b>Appearance</b>	Natural Color		
<b>Application</b>	Automotive Applications; Colour Concentrates; Industrial Applications; Structural Parts		

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density	0.952	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Tensile Strength at Break	11.7	MPa	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Tensile Elongation at Break	400	%	ASTM D638
<b>Impact</b>			
Ductile/Brittle Transition Temperature	<-76.1	°C	ASTM D746
<b>Hardness</b>			
Durometer Hardness, (Shore D)	66		ASTM D2240
<b>Thermal</b>			
Vicat Softening Temperature	125	°C	ASTM D1525
Peak Melting Temperature	134	°C	ASTM D3418
<b>Additional Information</b>			
Average Particle Size			
LYB Method			
Moisture Content	<0.1	%	
LYB Method			

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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