

Technical Data Sheet

HDPE-150F



High Density Polyethylene

Product Description

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

Regulatory Status

For regulatory compliance information, see HDPE-150F [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Forms	Powder
Appearance	Natural Color
Application	Automotive Applications; Colour Concentrates; Industrial Applications; Structural Parts

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

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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