Technical Data Sheet

Icorene HDPE 50 2053 NATURAL

High Density Polyethylene

Product Description

Icorene HDPE 50 2053 NATURAL is a Polyethylene, High Density material.

Regulatory Status

For regulatory compliance information, see HDPE 50 2053 NATURAL Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg, Procedure A)	20	g/10 min	ASTM D1238
Density	0.952	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield, (51 mm/min, Type IV)	24.8	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min, Procedure B, Method I (3 point load))	965 to 1240	MPa	ASTM D790
Tensile Elongation at Break, (51 mm/min)	300	%	ASTM D638
Impact			
Ductile/Brittle Transition Temperature	<-70.6	°C	ASTM D746
Thermal			
Vicat Softening Temperature	122	°C	ASTM D1525

Manufacturer website: https://www.lyondellbasell.com/en/

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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