

## Technical Data Sheet

### *Icorene* HDPE 50 2053 NATURAL



High Density Polyethylene

#### Product Description

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg, Procedure A)	20	g/10 min	ASTM D1238
Density	0.952	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
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
<b>Impact</b>			
Ductile/Brittle Transition Temperature	<-70.6	°C	ASTM D746
<b>Thermal</b>			
Vicat Softening Temperature	122	°C	ASTM D1525

## 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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