

# Icorene HDPE 50 2053 NATURAL

## LyondellBasell Industries - High Density Polyethylene

### General Information

#### Product Description

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

#### General

Material Status • Commercial: Active  
 Availability • North America

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

Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) <sup>2</sup> (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>3</sup> (Yield)	3600	psi	ASTM D638
Tensile Elongation <sup>4</sup> (Break)	300	%	ASTM D638
Flexural Modulus <sup>5</sup>	140000 to 180000	psi	ASTM D790B
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -95.1	°F	ASTM D746
Vicat Softening Temperature	252	°F	ASTM D1525

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Procedure A

<sup>3</sup> Type IV, 2.0 in/min

<sup>4</sup> 2.0 in/min

<sup>5</sup> Method I (3 point load), 0.051 in/min