

# Icorene PE 50 0863 8828 UVORE

## LyondellBasell Industries - High Density Polyethylene

### General Information

#### Product Description

Icorene PE 50 0863 8828 UVORE is a Polyethylene, High Density material. Features include: Food Contact Acceptable, and High Density.

#### General

Features	<ul style="list-style-type: none"> <li>• Food Contact Acceptable</li> <li>• High Density</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Non-specific Food Applications</li> </ul>
Forms	<ul style="list-style-type: none"> <li>• Pellets</li> </ul>

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

Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) <sup>2</sup> (190°C/2.16 kg)	8.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4340	psi	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Flexural Modulus <sup>3</sup>	200000	psi	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	48.1	ft-lb/in <sup>2</sup>	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-105	°F	ASTM D746
Vicat Softening Temperature	381	°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> Method I (3 point load)