Technical Data Sheet

Icorene PE 50 0863 8828 UVORE

High Density Polyethylene

Product Description

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

Regulatory Status

For regulatory compliance information, see PE 50 0863 8828 UVORE Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Attribute	Food Contact Acceptable; High Density
Forms	Pellets
Application	Non-specific Food Applications

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg, Procedure A)	8.5	g/10 min	ASTM D1238
Density	0.963	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield	29.9	MPa	ASTM D638
Flexural Modulus, (Procedure B, Method I (3 point load))	1380	MPa	ASTM D790
Tensile Elongation at Break	1000	%	ASTM D638
Impact			
Ductile/Brittle Transition Temperature	-76.1	°C	ASTM D746
Tensile Impact Strength	101	kJ/m²	ASTM D1822
Thermal			
Vicat Softening Temperature	194	°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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