

# Petrothene® LB832001

High Density Polyethylene

LyondellBasell Industries

## Message:

PETROTHENE LB832001 is a high density polyethylene resin designed for sheet extrusion and thermoforming. LB832001 exhibits very low sag, high stiffness and good chemical resistance.

General Information	
Features	Food Contact Acceptable
	Good Chemical Resistance
	High Stiffness
Uses	Profiles
	Sheet
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Profile Extrusion
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.962	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.29	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.7	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	131	°C	ASTM D1525

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