

Petrothene® NA270001

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene low density polyethylene (LDPE) polymers can be used in a broad range of applications. LDPE homopolymers can be formulated into a wide range of polymer systems to impart strength, toughness and heat resistance. These materials may contain stabilizers or other additives as required for processing and handling purposes.

General Information			
Features	Food Contact Acceptable		
Uses	Plastics Modification		
Agency Ratings	FDA 21 CFR 175.105		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.915	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	70	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	7.31	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus - 1% Secant	123	MPa	ASTM D790

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