

Petrothene® NA247000

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA247000 provides a balance of stiffness and tear strength. Typical applications include tamper evident caps and closures.

General Information			
Features	Good Stiffness		
	Good Tear Strength		
Uses	Caps		
	Closures		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	7.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	48		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	340	MPa	ASTM D790
Flexural Strength (Yield)	13.6	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-43.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Rear Temperature	163	°C	
Middle Temperature	177	°C	
Front Temperature	177	°C	
Nozzle Temperature	177	°C	

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