Technical Data Sheet

Petrothene NA247000X01

Low Density Polyethylene

Product Description

Petrothene NA247000X01 provides a balance of stiffness and tear strength. Typical applications include tamper evident caps and closures.

Regulatory Status

For regulatory compliance information, see *Petrothene* NA247000X01 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial
Availability	North America
Application	Caps & Closures
Market	Rigid Packaging
Processing Method	Injection Molding

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	7.5	g/10 min	7.5	g/10 min	ASTM D1238
Density, (23 °C)	0.924	g/cm³	0.924	g/cm³	ASTM D1505
Mechanical					
Flexural Modulus, (1% Secant)	49300	psi	340	MPa	ASTM D790
Tensile Strength at Yield	1970	psi	13.6	MPa	ASTM D638
Tensile Elongation at Yield	13	%	13	%	ASTM D638
Hardness					
Shore Hardness, (Shore D)	48		48		ASTM D2240
Thermal					
Low Temperature Brittleness, F_{50}	-45	°F	-43	°C	ASTM D746

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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