Technical Data Sheet

Petrothene NA149000

Low Density Polyethylene

Product Description

Petrothene NA149000 resin exhibits an excellent balance of toughness and softness, with excellent dimensional stability. Typical applications include housewares, toys, containers and novelty items.

Regulatory Status

For regulatory compliance information, see *Petrothene* NA149000 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Foamed Sheet
Market	Rigid Packaging
Processing Method	Injection Molding; Sheet and Profile Extrusion

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	4.0	g/10 min	4.0	g/10 min	ASTM D1238
Density, (23 °C)	0.919	g/cm³	0.919	g/cm³	ASTM D1505
Mechanical					
Flexural Modulus, (1% Secant)	28700	psi	198	MPa	ASTM D790
Tensile Strength at Yield	1590	psi	11	MPa	ASTM D638
Tensile Elongation at Yield	640	%	640	%	ASTM D638
Thermal					
Low Temperature Brittleness, F_{50}	<-105	°F	<-76	°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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