

LyondellBasell Petrothene® NA247000 Low Density Polyethylene, Injection Molding Grade

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Applications Petrothene NA247000 provides a balance of stiffness and tear strength. Typical applications include tamper evident caps and closures. Regulatory Status NA247000 meets the requirements of the Food and Drug Administration, regulation 21 CFR 177.1520. Processing Techniques Specific recommendations for processing NA247000 can only be made when the processing conditions, equipment and end use are known.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-NA247000-Low-Density-Polyethylene-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ASTM D1505
Melt Flow	7.5 g/10 min	7.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	48	48	ASTM D2240
Tensile Strength, Yield	13.6 MPa	1970 psi	ASTM D638
Elongation at Yield	13 %	13 %	ASTM D638
Flexural Modulus	0.340 GPa	49.3 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-42.8 °C	-45.0 °F	F ₅₀ ; ASTM D746

Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	163 °C	325 °F	
Middle Barrel Temperature	177 °C	350 °F	
Front Barrel Temperature	177 °C	350 °F	
Nozzle Temperature	177 °C	350 °F	

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