

PAXOTHENE® NA248

Low Density Polyethylene

USI Corporation

Message:

PAXOTHENE NA248 (LDPE) is a low density polyethylene resin of high melt index, excellent melt flow and good flexibility, which is suitable for injection molding of artificial flowers, foliages and intricate articles and soft bottles and can lids. The resin's excellent melt flow makes it fast and economical in production. PAXOTHENE NA248 can be easily pigmented to any color by either dry blending or melt blending of the pigment into the resin which makes the products appear genuine and attractive.

General Information			
Features	Fast Molding Cycle		
	Good Colorability		
	Good Flexibility		
	Good Flow		
	Low Density		
Uses	Bottles		
	Decorative Parts		
	Lids		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.916	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	46	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	44		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Injection Molded	8.63	MPa	
Break, Injection Molded	7.45	MPa	
Tensile Elongation (Break, Injection Molded)	250	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-37.0	°C	ASTM D746
Vicat Softening Temperature	80.0	°C	ASTM D1525
Peak Melting Temperature	100	°C	ASTM D3418

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Recommended distributors for this material

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