

PAXOTHENE® NA208

Low Density Polyethylene

USI Corporation

Message:

PAXOTHENE NA208 (LDPE) having excellent melt flow characteristic, high gloss, good toughness and stiffness, is especially used for injection molding applications requiring excellent appearance, medium toughness and stiffness, such as housewares, toys, Christmas light sockets or main stems of plastic trees, etc. The resin's excellent melt flow characteristics permit short cycle time for economical moldings.

PAXOTHENE NA208 can also be ground into powder for coating.

General Information			
Features	Fast Molding Cycle		
	Good Flow		
	Good Stiffness		
	Good Toughness		
	High Gloss		
	Low Density		
Uses	Coating Applications		
	Decorative Parts		
	Household Goods		
	Toys		
Processing Method	Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	22	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Injection Molded	12.6	MPa	
Break, Injection Molded	9.22	MPa	
Tensile Elongation (Break, Injection Molded)	130	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746
Vicat Softening Temperature	96.0	°C	ASTM D1525
Peak Melting Temperature	108	°C	ASTM D3418

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