

PrimaFlex® LD 19009

Low Density Polyethylene

Plastic Solutions, Inc.

Message:

Description: LD 19009 is a LDPE formulation suggested for injection molding applications.

Applications: Caps and closures

Features:

Excellent balance of toughness and softness

Good processability and dimensional stability

Complies with FDA 21 CFR 177.1520

General Information			
Features	Good Dimensional Stability Good Processability Good Toughness Soft		
Uses	Caps Closures		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	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	9.00	MPa	
Break	11.0	MPa	
Tensile Elongation (Break)	550	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	236	MPa	
2% Secant	211	MPa	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	82.8	°C	ASTM D1525

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