



Prime Engineering and Commodity Thermoplastic Resins

LD 19009 Low Density Polyethylene

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

Physical Properties	Typical Values	Test Method(s)
Density	0.917	D-792
Melt Flow Rate – g/10 min (190°C/2.16kg)	7.0	D-1238
Tensile Strength @ break, psi	1,595	D-638
Tensile Strength @ yield, psi	1,305	D-638
Elongation @ break, %	548	D-638
Flexural Modulus, 1% Secant, psi	34,229	D-790
Flexural Modulus, 2% Secant, psi	30,603	D-790
Vicat Softening Point, F°	181	D-1525
Hardness, Shore D	53	D-2240

Distributed Exclusively by: Plastic Solutions, Inc.
15800 Birmingham Hwy – Bldg 500
Milton, GA 30004
www.plasticsolutions.net

The nominal properties reported herein are laboratory tested and are typical data for these materials. Plastic Solutions, Inc. does not guarantee suitability of these materials for specific applications. Each user of material should make their own tests to determine suitability of a material in a design or application.

PrimaFlex® is a registered trademark of Plastic Solutions, Inc.