



O S T E R M A N

Osterlene® LD750-EC

Osterman & Company - Low Density Polyethylene

Tuesday, June 18, 2019

General Information

Product Description

- LD750-EC is a broad molecular weight distribution homopolymer designed to offer good impact strength and crack resistance and has excellent flexibility. It has good processability over a wide range of molding conditions.
- LD750-EC may be used in both extrusion coating and injection molding applications. LD750-EC is intended for use in flexible packaging and paperboard coating applications and provides a good balance of neck in and drawdown performance. When used in injection molding applications LD750-EC provides a good balance of softness and toughness for applications including housewares and containers.
- LD750-EC meets the requirements of the Food and Drug Administration, 21 CFR Section 177.1520 (c) 2.2. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations may apply. Contact your Osterman sales representative for more information.
- Specific recommendations for processing LD750-EC can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Osterman sales representative.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	
Features	• Crack Resistant • Food Contact Acceptable • Good Flexibility	• Good Impact Resistance • Good Processability • Homopolymer	• Wide Molecular Weight Distribution
Uses	• Containers • Flexible Packaging	• Household Goods • Paper Coatings	
Agency Ratings	• FDA 21 CFR 177.1520(c) 2.2		
Processing Method	• Extrusion Coating	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Yield)	10	%	ASTM D638
Tensile Elongation (Break)	550	%	ASTM D638
Flexural Modulus - 1% Secant	30000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	186	°F	ASTM D1525

Notes

¹ Typical properties: these are not to be construed as specifications.

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