

# Osterlene® MD-1.2-930

Medium Density Polyethylene

Osterman & Company

## Message:

MD-1.2-930 is a medium density polyethylene resin designed for overwrap film applications.  
MD-1.2-930 exhibits good film optics and high stiffness.  
MD-1.2-930 meets the requirements of the Food and Drug Administration, 21 CFR Section 177.1520. 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.

General Information			
Features	Food Contact Acceptable		
	High Stiffness		
	Opticals		
Uses	Film		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	
Secant Modulus - 1% Secant, MD (32 µm)	331	MPa	ASTM D882
Tensile Strength - MD (Yield,32 µm)	24.8	MPa	ASTM D882
Tensile Elongation - MD (Break, 32 µm)	400	%	ASTM D882
Dart Drop Impact <sup>1</sup> (32 µm)	60	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 31.8 µm)	90		ASTM D2457
Haze (31.8 µm)	7.0	%	ASTM D1003
NOTE			
1.	F50		

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