

Westlake HDPE MC2004

High Density Polyethylene
Westlake Chemical Corporation

Message:

Application/Uses
Photographic paper
Release paper
Spiral wound can lin
Grease barrier
Product Description

Westlake MC2004 is a high density polyethylene designed for extrusion coating and laminating applications. MC2004 provides improved barrier properties, temperature resistance, stress crack resistance, scuff resistance, gloss and coefficient of friction (COF) compared to low density polyethylene.

General Information			
Features	Food Contact Acceptable		
	Good Crack Resistance		
	High Gloss		
	Medium Heat Resistance		
	Scratch Resistant		
Uses	Coating Applications		
	Laminates		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion Coating		
	Laminating		
Physical	Nominal Value	Unit	Test Method
Density	0.946	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	22.0	MPa	
Break	25.0	MPa	
Tensile Elongation ² (Break)	30	%	ASTM D638
Flexural Modulus - 2% Secant ³	896	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -72.8	°C	ASTM D746
Vicat Softening Temperature	117	°C	ASTM D1525
NOTE			
1.	Type IV, 500 mm/min		

2.	Type IV, 500 mm/min
3.	13 mm/min

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