

Exelene® LLDPE 2400

Linear Low Density Polyethylene

Montachem International, Inc.

Message:

Applications:

Resin for LDPE mixtures

Plastic bags for light parking solid foods such as bread, tarts, vegetables and fruits

Liners for industrial cans, garbage cans and 55 gallon barrels

Plastic Clothes Covers

Characteristics:

The Exelene resin LLDPE 2400 meets the requirements of section 177.1520, paragraph C, from chapter 21 denominated "Olefin Polymers" from the Code of Federal Regulations of the FDA, to be utilized with direct food contact.

General Information	
Additive	Antioxidant
Features	Antioxidant
	Food Contact Acceptable
	Low Density
Uses	Bags
	Food Packaging
	Food Service Applications
	Industrial Applications
	Liners
	Non-specific Food Applications
Agency Ratings	FDA 21 CFR 177.1520(c)
Processing Method	Blown Film
	Cast Film

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.917	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength ¹			ASTM D882
-- ²	196	MPa	
-- ³	177	MPa	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength ⁴			
MD : Yield	8.48	MPa	ASTM D882
TD : Yield	8.62	MPa	ASTM D882

MD : Break	26.9	MPa	ASTM D882A
TD : Break	18.6	MPa	ASTM D882A
Tensile Elongation ⁵			ASTM D882A
MD : Break	600	%	
TD : Break	800	%	
Dart Drop Impact ⁶ (38000 μ m)	65	g	ASTM D1709A
Elmendorf Tear Strength ⁷			ASTM D1922
MD	110	g	
TD	570	g	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	123	°C	DSC
Optical	Nominal Value	Unit	Test Method
Haze	35	%	ASTM D1003
NOTE			
1.	5.1 mm/min		
2.	TD, 1% secant		
3.	MD, 1% secant		
4.	510 mm/min		
5.	510 mm/min		
6.	F50, 66 cm		
7.	1.600 g		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT