

SABIC® LLDPE 218 Series

Linear Low Density Polyethylene

SABIC Americas, Inc.

Message:

Product Description

218 series resins are Linear Low Density Polyethylene grades suitable for general purpose packaging. They are easy to process giving good tensile properties, impact strength and optical properties.

218 Series includes following grades:

218N: No Slip & No Antiblock

218W: 1500 ppm Slip & 3500 ppm Antiblock

Typical Applications

Lamination film, thin liners, shopping bags, carrier bags, garbage bags, coextruded films, consumer packaging etc.

General Information			
Additive	Antiblock		
	Slip		
Features	Copolymer		
	Good Drawdown		
	Good Impact Resistance		
	Good Toughness		
	High Antiblocking		
	High Slip		
	High Tensile Strength		
	Opticals		
Uses	Bags		
	Film		
	Optical Applications		
	Packaging		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	ASTM D882
Secant Modulus			
MD : 30 µm	220	MPa	
TD : 30 µm	260	MPa	

Tensile Strength			ASTM D882
MD : Yield,30 μm	12.0	MPa	
TD : Yield,30 μm	10.0	MPa	
MD : Break, 30 μm	35.0	MPa	
TD : Break, 30 μm	29.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 30 μm	700	%	
TD : Break, 30 μm	750	%	
Dart Drop Impact (30 μm)	85	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 30 μm	130	g	
TD : 30 μm	320	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 30.0 μm)	80		ASTM D2457
Haze (30.0 μm)	13	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Puncture Resistance (30.0 μm)	630	J/cm	Internal Method

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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



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