

SABIC 218 Series Linear Low Density Polyethylene for Blown Film

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Film Grade

Material Notes:

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. 218N: No Slip & No Antiblock 218W: 1500 ppm Slip & 3500 ppm Antiblock

Typical Applications: Lamination film, thin liners, shopping bags, carrier bags, coextruded films, consumer packaging, etc.

Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-218-Series-Linear-Low-Density-Polyethylene-for-Blown-Film.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	load density; ASTM D1505
Thickness	30.0 microns	1.18 mil	
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	700 %	700 %	ASTM D882
Film Elongation at Break, TD	750 %	750 %	ASTM D882
Elmendorf Tear Strength MD	130 g	130 g	ASTM D1922
Elmendorf Tear Strength TD	320 g	320 g	ASTM D1922
Elmendorf Tear Strength, MD	4.33 g/micron	110 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	10.67 g/micron	271.0 g/mil	ASTM D1922
Dart Drop Total Energy	630 J/cm	1.18 ft-lb/mil	Puncture Resistance; SABIC Method
Dart Drop	2.83 g/micron	71.9 g/mil	ASTM D1709
Dart Drop Test	85.0 g	0.187 lb	ASTM D1709
Film Tensile Strength at Break, MD	35.0 MPa	5080 psi	ASTM D882
Film Tensile Strength at Break, TD	29.0 MPa	4210 psi	ASTM D882
1% Secant Modulus, MD	220 MPa	31900 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.0 °C	208 °F	ASTM D1525
Optical Properties	Metric	English	Comments
Haze	13 %	13 %	ASTM D1003
Gloss	80 %	80 %	at 45°; ASTM D2457
Processing Properties	Metric	English	Comments
Melt Temperature	185 - 205 °C	365 - 401 °F	
Blow-up Ratio (BUR)	2.0 - 3.0	2.0 - 3.0	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China