SABIC® LLDPE 118WJ

Linear Low Density Polyethylene

SABIC

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Technical Data

Product Description

SABIC® LLDPE 118WJ is a butene linear low density polyethylene resin typically used for general purpose applications. Films produced from this resin are tough with good puncture resistance, high tensile strength and good hottack properties. The resin contains slip and antiblock additive. SABIC® LLDPE 118WJ is TNPP free.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

General

Material Status	• Commercial: Active		
Search for UL Yellow Card	• SABIC		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction [2]	0.10		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [3]			ISO 527-3
MD : 30 µm	160	MPa	
TD : 30 µm	180	MPa	
Tensile Stress [3]			ISO 527-3
TD : Yield, 30 µm	11.0	MPa	
MD : Break, 30 µm	37.0	MPa	
TD : Break, 30 µm	30.0	MPa	
Tensile Elongation [3]			ISO 527-3
MD : Break, 30 µm	600	%	
TD : Break, 30 µm	800	%	
Elmendorf Tear Strength [3]			ISO 6383-2
MD : 30.0 µm	4.1	g/µm	
TD : 30.0 µm	12	g/µm	
Impact	**Nominal Value**	**Unit**	**Test Method**
Impact Strength [4] (30.0 µm)			ASTM D4272
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	101	°C	ISO 306/A
Melting Temperature	121	°C	Internal Method
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss [3] (45°, 30.0 µm)	42		ASTM D2457
Haze [3] (30.0 µm)	20.0	%	ASTM D1003
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Blocking [3] (30.0 µm)	15	g	Internal Method
Puncture Resistance [3] (30.0 µm)	380	J/m	Internal Method
Re-blocking [3] (30.0 µm)	10	g	Internal Method

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 30 µm film with 2.5 BUR using 100% 118WJ

[3] 2.5 BUR using 100% 118WJ

[4] 2.5 BUR using 100% 118NJ

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Form No. TDS-208509-en
Document Created: Thursday, January 6, 2022
Added to Prospector: August 2012
Last Updated: 12/2/2021

Where to Buy

Supplier

SABIC
Web: http://www.sabic.com/

Distributor

3Polymer (Guangzhou) Chemical Technology Co., Ltd.
Telephone: +86-20-3466-7988
Web: http://3polymer.com
Availability: China

AECTRA
Telephone: +33-4-72-54-36-42
Web: https://www.aectra.fr/
Availability: France

AGI-Augusto Guimarães & Irmão
Telephone: +351-22753-7400
Web: https://www.agi.pt/en/
Availability: Portugal

Distrupol Ltd
Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.
Telephone: 08452003040
Web: http://www.distrupol.com/
Availability: Denmark, Finland, Norway, Sweden

Guzmán Polymers
Telephone: +34-963-992-400
Web: https://www.guzmanglobal.com/en/productos/plastics/
Availability: Italy, Spain, Turkey

Plastoplan
Telephone: +43-1-25040-0
Web: https://www.plastoplan.com/
Availability: Czech Republic, Poland, Slovakia

RESINEX Group
RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.
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Web: http://www.resinex.com/
Availability: Europe

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