SABIC® LLDPE 218NJ

Linear Low Density Polyethylene

SABIC

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Technical Data

Product Description

218NJA is a butene Linear Low Density Polyethylene TNPP free grade suitable for general-purpose packaging. It is easy to process giving good tensile properties, impact strength and optical properties. 218NJ contains no slip and no antiblock additives.

General

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

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm³	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**
Secant Modulus [2]			ASTM D882
1% Secant, MD : 30 µm	220	MPa	
1% Secant, TD : 30 µm	260	MPa	
Tensile Strength [2]			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 [2]			ASTM D882
MD : Break, 30 µm	700	%	
TD : Break, 30 µm	750	%	
Elmendorf Tear Strength [2]			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°)	80		ASTM D2457
Haze	13.0	%	ASTM D1003
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Dart Impact	833.6	kN/m	ASTM D1709
Puncture Resistance [2] (30.0 µm)	63.0	J/m	Internal Method

Notes

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

[2] 2.5 BUR using 100% 218NJ

Form No. TDS-400691-en

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Document Created: Thursday, January 6, 2022
Added to Prospector: April 2018
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

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