SABIC® HDPE FJ00952

High Density Polyethylene

SABIC

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Technical Data

Product Description

FJ00952 is TNPP additive free grade, high molecular weight High Density Polyethylene copolymer which has a broad molecular weight distribution. The design of the product, molecular architecture and density, gives it a unique combination of easy extrusion and high melt strength with strong physical properties which makes it suitable for producing thin films with excellent strength and rigidity.

General

Material Status	• Commercial: Active		
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Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Food Packaging		

Physical	Nominal Value	Unit	Test Method
Density [2]	0.952	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.050	g/10 min	
190°C/21.6 kg	9.0	g/10 min	
Films	**Nominal Value**	**Unit**	**Test Method**
Secant Modulus [3]			ASTM D882
1% Secant, MD : 15 µm	1250	MPa	
1% Secant, TD : 15 µm	1500	MPa	
Tensile Strength [3]			ASTM D882
MD : Yield, 15 µm	33.0	MPa	
TD : Yield, 15 µm	31.0	MPa	
MD : Break, 15 µm	60.0	MPa	
TD : Break, 15 µm	56.0	MPa	
Tensile Elongation [3]			ASTM D882
MD : Break, 15 µm	400	%	
TD : Break, 15 µm	550	%	
Elmendorf Tear Strength [3]			ASTM D1922
MD : 15 µm	12	g	
TD : 15 µm	60	g	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	125	°C	ASTM D1525
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Dart Impact [4] (15.0 µm)	1765.2	kN/m	ASTM D1709

Notes

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

[2] 23°C

[3] 4 BUR using 100% FJ00952

[4] film produced at a BUR of 4 using 100% FJ00952

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Form No. TDS-400513-en
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

RESINEX Group
RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.
Telephone: +32-14-672511
Web: http://www.resinex.com/
Availability: Europe

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