

## Technical Data

### Product Description

BRALEN+ FB 2-16 is a film grade of low density polyethylene. This grade is additives free.

BRALEN+ FB 2-16 is intended for production of bags and pouches, shrink films, packaging and technical films as well as for production of cast and bubble films. This grade can be used also for production of foamed sheets and profiles. Recommended film thickness is 0.02 to 0.10 mm.

### General

Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Additive Free	• Recyclable Material	
Uses	• Bags • Cast Film • Film	• Microfoamed Sheet • Packaging • Profiles	• Sheet • Shrink Wrap
Forms	• Pellets		
Processing Method	• Cast Film	• Profile Extrusion	• Sheet Extrusion

Physical	Nominal Value Unit	Test Method
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Density (23°C)	0.923 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0 g/10 min	ISO 1133

Mechanical	Nominal Value Unit	Test Method
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Tensile Stress (Injection Molded)	13.0 MPa	ISO 527-2
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Films	Nominal Value Unit	Test Method
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Film Thickness - Recommended / Available	0.02 to 0.10 mm	
Tensile Strength		ISO 527-3
MD : 50 µm, Blown Film	22.5 MPa	
TD : 50 µm, Blown Film	22.5 MPa	
Tensile Elongation		ISO 527-3
MD : Break, 50 µm, Blown Film	540 %	
TD : Break, 50 µm, Blown Film	620 %	
Dart Drop Impact (50 µm, Blown Film)	140 g	ISO 7765-1/A

Hardness	Nominal Value Unit	Test Method
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Shore Hardness (Shore D, Injection Molded)	45	ISO 868
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Thermal	Nominal Value Unit	Test Method
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Vicat Softening Temperature <sup>2</sup>	93.0 °C	ISO 306/A50
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Optical	Nominal Value Unit	Test Method
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Haze (50.0 µm, Blown Film)	5.00 %	ASTM D1003
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Extrusion	Nominal Value Unit
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Melt Temperature	160 to 200 °C
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### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Injection Molded

## BRALEN® FB 2-16

Low Density Polyethylene

SLOVNAFT a.s.

# PROSPECTOR®

[www.ulprospector.com](http://www.ulprospector.com)

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### Where to Buy

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#### Supplier

**SLOVNAFT a.s.**

Bratislava, Bratislava Slovakia

Telephone: +421-2-5859-5426

Web: <https://www.molgroupchemicals.com/>

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#### Distributor

Please contact the supplier to find a distributor for BRALEN® FB 2-16

