

POLYMERS

# SABIC<sup>®</sup> HDPE Blown Film F00952

## PRODUCT DESCRIPTION

F00952 is a 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.

## TYPICAL APPLICATIONS

F00952 is recommended for blown film extrusion. This product is suggested for the manufacture of high strength grocery sacks, shopping bags and high quality thin films for multi-wall sack liners and replacement for thin paper products. Films produced with this product can be readily treated and printed to give high quality graphics.

## TYPICAL DATA

PROPERTIES	Unit	Value <sup>(1)</sup>	Test Method
Melt Flow Rate			
@ 190°C & 2.16 kg load	g/10 min	0.05	ASTM D 1238
@ 190°C & 21.6 kg load		9	
Density @ 23°C	Kg/m <sup>3</sup>	952	ASTM D 1505
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
Tensile Strength @ break, MD, TD	MPa	60 , 56	ASTM D 882
Tensile Elongation @ break, MD, TD	%	400 , 550	ASTM D 882
Tensile Strength @ yield, MD, TD	MPa	33 , 31	ASTM D 882
1% Secant Modulus, MD, TD	MPa	1250 , 1500	ASTM D 882
Dart Impact Strength, F50	g	180	ASTM D 1709
Elmendorf Tear Strength, MD, TD	g	12 , 60	ASTM D 1922
<b>THERMAL PROPERTIES</b>			
Vicat Softening Point	°C	125	ASTM D 1525

(1) Typical values: not to be construed as specification limits.

(2) Properties are based on 15 µm film produced at 4 BUR using 100% F00952.

Processing Conditions:  
Melt Temperature: 200-235°C  
Frost line Height: 6-8 times die Ø  
BUR: 3-5

## HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

Detailed information is provided in the relevant Material Safety Datasheet and or Standard Food Declaration, Additional specific information can be requested via your local Sales Office.

## STORAGE AND HANDLING

Polyethylene material should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

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