

## POLYMERS

# SABIC<sup>®</sup> HDPE Blown Film F01552

### PRODUCT DESCRIPTION

F01552 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 with high film strength and drawdown capability.

### TYPICAL APPLICATIONS

F01552 is recommended for blown film extrusion. This product is suggested for the manufacture of strong strength millinery and notion bags, deep freezer bags, table cloths and thin film as quality replacement for papers products.

### TYPICAL DATA

PROPERTIES	Unit	Value <sup>(1)</sup>	Test Method
Melt Flow Rate			
@ 190°C & 2.16 kg load	g/10 min	0.15	ASTM D 1238
@ 190°C & 21.6 kg load		16	
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	55 , 49	ASTM D 882
Tensile Elongation @ break, MD, TD	%	400 , 610	ASTM D 882
Tensile Strength @ yield, MD, TD	MPa	31 , 30	ASTM D 882
1% Secant Modulus, MD, TD	MPa	1400 , 1700	ASTM D 882
Dart Impact Strength	g	180	ASTM D 1709
Elmendorf Tear Strength, MD, TD	g	4 , 40	ASTM D 1922
<b>THERMAL PROPERTIES</b>			
Vicat Softening Point	°C	125	ASTM D 1525