

POLYMERS

SABIC[®] 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 ⁽¹⁾	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 ³	952	ASTM D 1505
MECHANICAL PROPERTIES ⁽²⁾			
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
THERMAL PROPERTIES			
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% F01552.

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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