



F01552

High Density Polyethylene for Blown film

Product Description

F01552 is a medium molecular weight high density polyethylene specifically designed for blown film extrusion. Its broad molecular weight distribution and high density combines to give excellent extrudability and drawdown capability.

Typical Applications

F01552 resin is recommended for the production of strong strength millinery and notion bags, deep freeze bags, table cloths and thin film as quality replacement for paper products.

Typical data

Properties	Unit	Value ⁽¹⁾	ASTM Method
Resin Properties			
Melt Flow Rate @ 190°C & 2.16 kg load	g/10 min.	0.15	D 1238
@ 190°C & 21.6 kg load		16	
Density @ 23°C	kg/m ³	952	D 1505
Mechanical Properties⁽²⁾			
Tensile Strength @ break, MD	MPa	55	D 882
TD		49	
Tensile Elongation @ break, MD	%	400	D 882
TD		610	
Tensile Strength @ yield, MD	MPa	31	D 882
TD		30	
1% Secant Modulus, MD	MPa	1400	D 882
TD		1700	
Dart Impact Strength	g	180	D 1709
Elmendorf Tear Strength, MD	g	4	D 1922
TD		40	
Thermal Properties			
Vicat Softening Point	°C	125	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: 5 - 7 times die Ø

BUR: 3 - 5

Food Regulation

F01552 is suitable for Food contact application. Detailed information is provided in relevant Material Safety Datasheet and for additional specific information please contact SABIC local representative for certificate.

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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