

# F01552

HDPE for Blow Film Extrusion

F01552 is a medium molecular weight High Density Polyethylene (HDPE) specifically designed for blown film extrusion. It has a broad molecular weight distribution with excellent extrudability and drawdown.

## 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.

Physical Properties		Unit	Value <sup>(1)</sup>	ASTM Method
Melt index		g/10 min.	0.15	D-1238
HLMI <sup>(2)</sup>		g/10 min.	16	D-1238
Density		g/cm <sup>3</sup>	0.952	D-1505
Vicat softening point		°C	125	D-1525
Film Properties *				
1% Secant modulus	MD	MPa	1400	D-882
	TD		1700	
Tensile strength @yield	MD	MPa	31	D-882
	TD		30	
Tensile strength @break	MD	MPa	55	D-882
	TD		49	
Tensile elongation @break	MD	%	400	D-882
	TD		610	
Elmendorf tear strength	MD	g	4	D-1922
	TD		40	
Dart Impact, F <sub>50</sub>		g	180	D-1709

\*The film properties have been measured on F01552 (15 µ film, 4:1 blow-up ratio)

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

(2) High Load Melt Index has been found to be more accurate reference for F01552.

*NOTICE: The information and data contained herein are believed to be correct and given in good faith, but because of the many particular factors which are outside our knowledge and control and affect the use of product, no warranty is given or is to be implied with respect to such information, nor do we offer any warranty of immunity against infringement.*

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## Processing Conditions

Melt temperature = 200 - 235° C

## Food Regulation

Certificate is available on request.