

F00952

HDPE for Blow Film Applications

F00952 resin is a high molecular weight High Density Polyethylene (HDPE) copolymer which has been designed specifically for blown film extrusion. Its high molecular weight, broad molecular weight distribution and high density combine successfully to give excellent extrudability with high film strength and rigidity.

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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Typical Applications

F00952 resin 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 of this product are readily treated and printed to give high quality graphics.

Physical Properties		Unit	Value ⁽¹⁾	ASTM Method
Melt index		g/10 min.	0.05	D-1238
HLMI ⁽²⁾		g/10 min.	9	D-1238
Density		g/cm ³ .	0.952	D-1505
Vicat softening point		°C	125	D-1525
Film Properties *				
1% Secant modulus	MD	MPa	1250	D-882
	TD		1500	
Tensile strength @yield	MD	MPa	33	D-882
	TD		31	
Tensile strength @break	MD	MPa	60	D-882
	TD		56	
Tensile elongation @break	MD	%	400	D-882
	TD		550	
Elmendorf tear strength	MD	g	12	D-1922
	TD		60	
Dart Impact, F ₅₀		g	180	D-1709

*The film properties have been measured on F00952 (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.

Processing Conditions

Melt temperature = 200 - 235° C

Food Regulation

Certificate is available on request.