

HP2022 Series

LDPE for Blown Film Extrusion

Low Density Polyethylene can be extruded using conventional blown film technique. HP2022 series is a general purpose resin with a combination of good drawdown, good mechanical properties and good optical properties.

HP2022 Series includes the following grades:

Grade	Anti-block (ppm)	Slip (ppm)	Applications
2022N *	None	None	Thin shrink film, lamination film, general purpose films, blending stock for other resins.
2022J	1000	750	Light produce bags, textile packaging, soft goods packaging, general purpose bags with good optics and t-shirts carrier bags.

* Must be modified with Slip/Anti-block as required.

Physical Properties	Unit	Value	ASTM Method	
Melt index	g/10 min.	2.0	D-1238	
Density	g/cm ³	0.922	D-1505	
Vicat softening point	°C	92	D-1525	
Film Properties ⁽¹⁾				
Tensile @ break	MD	MPa	21	D-882
	TD		18	
Yield point	MD	MPa	8	D-882
	TD		7	
Elongation @ break	MD	%	290	D-882
	TD		570	
1% Secant modulus	MD	MPa	160	D-882
	TD		180	
Dart drop impact		g/μm	2	D-1709
Elmendorf tear	MD	g/μm	6	D-1922
	TD		5	
Haze		%	7	D-1003
Gloss 45° angle		-	70	D-2457

(1) The film properties have been measured on HP2022J (30 μ film, 2.5:1 blow-up ratio).

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 = 160 - 180°C

Blow-up ratio = 2.0 -3.0:1.0

Food Regulation

Certificate is available on request.