

# HP4023W

LDPE for Blown Film Extrusion

Low Density Polyethylene HP4023W contains slip and anti-block additives, suitable for film thicknesses of 15-35  $\mu\text{m}$ . HP4023W can be extruded using conventional blown film technique. HP4023W offers excellent processability, good mechanical properties and high optical properties.

## Typical Applications

Laundry film, high clarity produce bags, textile packaging and high clarity thin application.

Anti-block (ppm)	Slip (ppm)
1950	800

Physical Properties	Unit	Value <sup>(1)</sup>	ASTM Method	
Melt index	g/10 min.	4	D-1238	
Density	$\text{g/cm}^3$	0.923	D-1505	
Vicat softening point	$^{\circ}\text{C}$	91	D-1525	
Film Properties *				
Tensile @ break	MD TD	MPa	18 15	D-882
Yield point	MD TD	MPa	7 7	D-882
Elongation @ break	MD TD	%	270 540	D-882
1% Secant modulus	MD TD	MPa	160 170	D-882
Dart drop impact		$\text{g}/\mu\text{m}$	2	D-1709
Elmendorf tear	MD TD	$\text{g}/\mu\text{m}$	5 4	D-1922
Haze		%	6.5	D-1003
Gloss 45 $^{\circ}$ angle		-	75	D-2457

\* The film properties have been measured on HP4023W (30  $\mu$  film, 2.5:1 blow-up ratio)

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

## Processing Conditions

Melt temperature = 150 - 170  $^{\circ}\text{C}$

Blow-up ratio = 2.0 - 3.0:1

## Food Regulation

Certificate is available on request.

*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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