

120W

LLDPE for Blown Film Extrusion

120W is high quality film grade Linear Low Density Polyethylene (LLDPE) resin. It has excellent processability and films produced from this resin have good clarity, excellent puncture resistance, high tensile strength and good sealing characteristics.

Typical Applications

Ice bags, frozen food bags, produce bags, bread bags, carrier bags, garment bags, laminated films for food packaging.

Antiblock (ppm)	Slip (ppm)
3000	1500

Physical Properties	Unit	Value ⁽¹⁾	Test Method	
Melt index	g/10 min.	1.0	D-1238	
Density	g/cm ³	0.918	D-792	
Film Properties *				
Tensile strength @ yield	MD TD	MPa	10 9	D-882
Tensile strength @ break	MD TD	MPa	45 34	D-882
Tensile elongation @ break	MD TD	%	650 750	D-882
1% Secant modulus	MD TD	MPa	220 260	D-882
Dart drop impact, F ₅₀		g	150	D-1709
Puncture resistance		J/mm	60	SABIC method
Elmendorf tear strength	MD TD	g	130 400	D-1922
Gloss 60° angle		-	90	D-2457
Haze		%	6	D-1003

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.

Saudi Basic Industries Corporation
P.O.Box 5101, Riyadh 11422
Kingdom of Saudi Arabia
Tel: 966 1 2258000
Fax: 966 1 2259000
Customers Technical Support
Tel: 966 1 2651661
Fax: 966 1 2653544
Toll-free 800 1245577
PE Sales:
Fax: 966 1 2258760
Website: www.sabic.com

* The film properties have been measured on 120W (30 μ film, 2.5:1 blow-up ratio, PPA masterbatch added)

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

Processing Conditions

Extrusion temperatures = 190 - 210° C

Blow-up ratio = 2.0 – 4.0:1

Food Regulation

Certificate is available on request.