

POLYMER-E

LOW DENSITY POLYETHYLENE RESIN



		UNIT	ASTM TEST	H0105
			METHOD	
				Heavy Duty Film
				Liner Bag
MAIN APPLICATION				Agricultural Film
				Construction Film
CHARACTERSTICS				High Antiblock
MELT INDEX		Gms / 10 min	D1238	0.5
DENSITY		Gms / 00	D1506	0.023
COLOR		-	-	Natural
HAZE		%	D1003	19
GLOSS (60° ANGLE)		%	D2457	70
IMPACT STRENGTH		Gms / 50°F	D1709	300
COEFFICIENT OF FRICTION		-	D1894	< 0.65
1% SECANT MODULUS (FILM)	MD ^a	kg/cm ²	D 882	2100
(STIFFENESS)	TD ^a			2400
(MOLDED)			D 638	-
ULTIMATE TENSILE STRENGTH (FILM)	MD ^a	kg/cm ²	D 882	200
	TD ^a			180
(MOLDED)			D 638	-
ELONGATION (FILM)	MD ^a	%	D 882	460
	TD ^a			620
TEAR STRENGZTH (FILM)	MD ^a	kg/cm	D1922	52
	TD ^a			80
LOW TEMPERTURE GRITTLNESS		°C	D 746	-
VICAT SOFTENING POINT		°C	D1525	101
HARDNESS, SHORE (D)		-	D2240	54
HEAT DEFLECTION TEMPERTURE (66psi)		°C	D648	-

Explanation :

The above tensile, optical and impact strength properties on film samples are blown extruded at 1.25 mil (32 micron).

7 mil (180 micron) thickness on a 2.16 in (50mm) extruder with a screw of 26:1 L/D ratio, at 330°F (165°C) and blow

UD ratio 2.1:1 with exception of 420°F (215°C) and blow UD ratio 1.8:1 for heavy duty sack.

The data set forth herein has been carefully compiled by asia polymer Corporation, However there is no warranty of any kind, either expressed or implied. Applicable to its use and the user assumes all risk and liability in connection therewith

a: MD – Machine Direction

B : TD – Transverse Direction

c: Compression molded test specimen

d: No slip

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