



ASIA POLYMER CORPORATION

POLYMER-E

Low Density Polyethylene Resin

		UNIT	ASTM TEST METHOD	C7100	C1200
MAIN APPLICATION				Extrusion Coating & Lamination Wire Insulation	Extrusion Coating & Lamination Wire Insulation
CHARACTERISTICS				Good Draw -Down Outstanding Adhesion to Substrate Low Neck-in	Good Draw -Down Outstanding Adhesion to Substrate Low Neck-in
MELT INDEX		gms/10 min.	D1238	7.8	12
DENSITY		gms/cc	D1505	0.918	0.918
COLOR		—	—	Natural	Natural
HAZE		%	D1003	—	—
GLOSS (60° ANGLE)		%	D2457	—	—
IMPACT STRENGTH		gms. 50°F	D1709	—	—
COEFFICIENT OF FRICTION		—	D1894	—	—
1% SECANT MODULUS (FILM)	MD ^a	kg/cm ²	D 882	—	—
(STIFFNESS)	TD ^b			—	—
(MOLDED)			D 638	—	—
ULTIMATE TENSILE STRENGTH (FILM)	MD ^a	kg/cm ²	D 882	—	—
	TD ^b			—	—
(MOLDED)			D 638	—	—
ELONGATION (FILM)	MD ^a	%	D 882	—	—
	TD ^b			—	—
TEAR STRENGTH (FILM)	MD ^a	kg/cm	D1922	—	—
	TD ^b			—	—
LOW TEMPERATURE BRITTLENESS		°C	D 746	—	—
VICAT SOFTENING POINT		°C	D1525	—	—
HARDNESS, SHORE (D)		—	D2240	48	46
HEAT DEFLECTION TEMPERATURE (66 psi)		°C	D 648	—	—

Explanations:

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 (50 mm) extruder with a screw of 26:1 L/D ratio, at 330°F(165°C) and blow-up ratio 2.1:1, with exception of 420°F (215°C) and blow-up 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
c: Compression molded test specimen

b: TD - Transverse Direction
d: No slip