ASIA POLYMER CORPORATION

POLYMER-E

Low Density Polyethylene Resin

	UNIT	ASTM TEST METHOD	C7100
MAIN APPLICATION			Extrusion Coating & Lamination Wire Insulation
CHARACTERISTICS			Excellent Draw-Down Excellent Adhesion Low Neck-in High Line-speed
MELT INDEX	gms/10 min.	D1238	7.3
DENSITY	gms/cc	D1505	0.917
COLOR	—	—	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	110
ULTIMATE TENSILE STRENGTH (FILM) MD[a]	kg/cm^2	D 882	—
TD[b]			—
(MOLDED)		D 638	500
ELONGATION (FILM) MD[a]	%	D 882	—
TD[b]			—
TEAR STRENGTH (FILM) MD[a]	kg/cm	D1922	—
TD[b]			—
LOW TEMPERATURE BRITTLENESS	℃	D 746	<-70
VICAT SOFTENING POINT	℃	D1525	85
HARDNESS, SHORE (D)	—	D2240	48
HEAT DEFLECTION TEMPERATURE (66 psi)	℃	D 648	48

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℉(165℃) and blow-up ratio 2.1:1, with exception of 420℉ (215℃) 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.