



# ASIA POLYMER CORPORATION

## POLYMER-E

### Low Density Polyethylene Resin

	UNIT	ASTM TEST METHOD	M2100
MAIN APPLICATION			Injection Molding (Can Lid & Houseware) Dip Coating Foam Net
CHARACTERISTICS			Good Flow Rate Good Gloss Medium to High Stiffness
MELT INDEX	gms/10 min.	D1238	26
DENSITY	gms/cc	D1505	0.923
COLOR	—	—	Natural
HAZE	%	D1003	—
GLOSS (60° ANGLE)	%	D2457	—
IMPACT STRENGTH	gms. 50% F	D1709	—
COEFFICIENT OF FRICTION	—	D1894	—
1% SECANT MODULUS (FILM) MD <sup>a</sup> (STIFFNESS) TD <sup>b</sup>	kg/cm <sup>2</sup>	D 882	— —
(MOLDED) ULTIMATE TENSILE STRENGTH (FILM) MD <sup>a</sup> TD <sup>b</sup>	kg/cm <sup>2</sup>	D 638 D 882	110 — —
(MOLDED) ELONGATION (FILM) MD <sup>a</sup> TD <sup>b</sup>	%	D 638 D 882	120 — —
TEAR STRENGTH (FILM) MD <sup>a</sup> TD <sup>b</sup>	kg/cm	D1922	— —
LOW TEMPERATURE BRITTLINESS	°C	D 746	< -64
VICAT SOFTENING POINT	°C	D1525	93
HARDNESS, SHORE (D)	—	D2240	53
HEAT DEFLECTION TEMPERATURE (66 psi)	°C	D 648	50
VA CONTENT	%	—	—

#### 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.