POLYMER-E

Low Density Polyethylene Resin

		UNIT	ASTM TEST METHOD	M2100	M5100
MAIN APPLICATION				Injection Molding (Can Lid & Houseware) Dip Coating Foam Net	Injection Molding (Artificial Flowers & Intricate Articles)
CHARACTERISTICS				Good Flow Rate Good Gloss Medium to High Stiffness	High Flow Rate Easy Pigmentation
MELT INDEX		gms/10 min.	D1238	26	50
DENSITY		gms/cc	D1505	0.924	0.917
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	115	110
ULTIMATE TENSILE STRENGTH (FILM)	MD[a]	kg/cm^2	D 882	—	—
	TD[b]			—	—
(MOLDED)			D 638	150	150
ELONGATION (FILM)	MD[a]	%	D 882	—	—
	TD[b]			—	—
TEAR STRENGTH (FILM)	MD[a]	kg/cm	D1922	—	—
	TD[b]			—	—
LOW TEMPERATURE BRITTLENESS		°C	D 746	- 64	- 60
VICAT SOFTENING POINT		°C	D1525	91	80
HARDNESS, SHORE (D)		—	D2240	50	42
HEAT DEFLECTION TEMPERATURE (66 psi)		°C	D 648	49	46

Explanations:

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