



# ASIA POLYMER CORPORATION

## POLYMER-E

### Low Density Polyethylene Resin

|                                                       | UNIT               | ASTM TEST METHOD | M5100                                                      |
|-------------------------------------------------------|--------------------|------------------|------------------------------------------------------------|
| MAIN APPLICATION                                      |                    |                  | Powder Coating<br>Injection Molding<br>Artificial Flowers) |
| CHARACTERISTICS                                       |                    |                  | Excellent Moldability<br>Easy Pigmentation                 |
| MELT INDEX                                            | gms/10 min.        | D1238            | 50                                                         |
| DENSITY                                               | gms/cc             | D1505            | 0.916                                                      |
| COLOR                                                 | —                  | —                | Natural                                                    |
| HAZE                                                  | %                  | D1003            | —                                                          |
| GLOSS (60° ANGLE)                                     | %                  | D2457            | —                                                          |
| IMPACT STRENGTH                                       | gms. 50% F         | D1709            | —                                                          |
| COEFFICIENT OF FRICTION                               | —                  | D1894            | —                                                          |
| 1% SECANT MODULUS (FILM) MD<br>(STIFFNESS) TD         | kg/cm <sup>2</sup> | D 882            | —<br>—                                                     |
| (MOLDED)<br>ULTIMATE TENSILE STRENGTH (FILM) MD<br>TD | kg/cm <sup>2</sup> | D 638<br>D 882   | 80<br>—<br>—                                               |
| (MOLDED)<br>ELONGATION (FILM) MD<br>TD                | %                  | D 638<br>D 882   | 240<br>—<br>—                                              |
| TEAR STRENGTH (FILM) MD<br>TD                         | kg/cm              | D1922            | —<br>—                                                     |
| LOW TEMPERATURE BRITTLINESS                           | °C                 | D 746            | <-60                                                       |
| VICAT SOFTENING POINT                                 | °C                 | D1525            | 80                                                         |
| HARDNESS, SHORE (D)                                   | —                  | D2240            | 46                                                         |
| HEAT DEFLECTION TEMPERATURE (66 psi)                  | °C                 | D 648            | 45                                                         |
| Melting Temperature                                   | °C                 | APC METHOD       | 101                                                        |

#### Explanations:

- The data reported are typical properties for reference only and are not to be construed as specification.