



# HDPE 1285

High Molecular Weight High Density Polyethylene Film Resin

FILM

## RESIN PROPERTIES <sup>(1)</sup>

|                      | Method | Unit              | Typical Value |
|----------------------|--------|-------------------|---------------|
| Melt Flow Index      | D1238  | g/10 min          | –             |
| 190°C/2.16 kg        | –      | –                 | 0.07          |
| 190°C/5.0 kg         | –      | –                 | 0.31          |
| 190°C/21.6 kg (HLMI) | –      | –                 | 9.0           |
| Density              | D792   | g/cm <sup>3</sup> | 0.950         |
| Melting Temperature  | D3418  | °F                | 260           |

## FILM PROPERTIES <sup>(1) (2)</sup>

|                           | Method   | Unit        | Typical Value |
|---------------------------|----------|-------------|---------------|
| Dart Impact               | D1709, A | g           | 350           |
| Elmendorf Tear            | D1922    | g (MD/TD)   | 24 / 120      |
| Tensile Strength at Yield | D882, A  | psi (MD/TD) | 5,300 / 5,000 |
| Tensile Strength at Break | D882, A  | psi (MD/TD) | 8,900 / 8,500 |
| Elongation at Break       | D882, A  | % (MD/TD)   | 400 / 400     |

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) Film was produced at 0.8 mil with a 4:1 BUR.

## CHARACTERISTICS:

- Bimodal molecular weight distribution
- Good tear strength
- Good impact strength
- Good processability
- Excellent bubble stability

## APPLICATIONS:

- T-shirt sacks
- Trash can liners
- Merchandise bags
- Coextruded films

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