



HDPE 2285

High Molecular Weight High Density Polyethylene Film Resin

FILM

RESIN PROPERTIES

	Method	Unit	Typical Value
Melt Flow Index	D1238	g/10 min	–
190°C/2.16 kg	–	–	0.08
190°C/5.0 kg	–	–	0.32
190°C/21.6 kg (HLMI)	–	–	11
Melting Point	D3418	°F	270
Density	D792	g/cm ³	0.951

FILM PROPERTIES ^{(1) (2)}

	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)	9,200 / 9,800
Elongation at Break	D882, A	% (MD/TD)	400 / 400
1% Secant Modulus	D882, A	psi (MD/TD)	122,000 / 132,000

(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
- Excellent tear strength
- Exceptional impact strength
- Excellent processability

APPLICATIONS:

- T-shirt sacks
- Trash can liners
- Merchandise bags
- Multi-wall liners
- Deli wrap

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