



MDPE HL323

Medium Molecular Weight Medium Density Polyethylene Film Resin

FILM

RESIN PROPERTIES ⁽¹⁾

	Method	Unit	Typical Value
Melt Flow Index	D1238	g/10 min	–
190°C/2.16 kg	–	–	0.28
190°C/21.6 kg (HLMI)	–	–	22
Density	D792	g/cm ³	0.937
Melting Temperature	D3418	°F	259

FILM PROPERTIES ^{(1) (2)}

	Method	Unit	Typical Value
Dart Impact	D1709, A	g	< 50
Elmendorf Tear	D1922	g (MD/TD)	18 / 1,350
Tensile Strength at Yield	D882	psi (MD/TD)	1,800 / 2,800
Tensile Strength at Break	D882	psi (MD/TD)	8,300 / 5,300
Elongation at Break	D882	% (MD/TD)	500 / 900
1% Secant Modulus	D882	psi (MD/TD)	64,000 / 85,000
WVTR ⁽³⁾	F1249	g/100 in ² /day	0.80
Haze	D1003	%	52
Gloss (45°)	D2457	–	12

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

(2) Film was produced at 1.0 mil with a 2.5:1 BUR.

(3) Water Vapor Transmission Rate at 100°F / 90%RH.

CHARACTERISTICS:

- Excellent balance of stiffness and impact strength
- Good puncture resistance
- Excellent compatibility with LDPE and LLDPE
- Good tensile strength

APPLICATIONS:

- Specialty merchandise bags
- Mailing envelopes
- Heavy-duty shipping sacks
- Pallet shrink films
- Fresh cut produce packaging
- Coextruded films

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