



HDPE HL 428

Medium Molecular Weight High 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	0.947
Melting Temperature	D3417	°F	267

FILM PROPERTIES ^{(1) (2)}

	Method	Unit	Typical Value
Dart Impact	D1709, A	g	< 50
Elmendorf Tear	D1922	g (MD/TD)	10 / 1450
Tensile Strength at Yield	D882, A	psi (MD/TD)	3,400 / 3,800
Tensile Strength at Break	D882, A	psi (MD/TD)	9,000 / 2,700
Elongation at Break	D882, A	% (MD/TD)	450 / 600
1% Secant Modulus	D882, A	psi (MD/TD)	103,000 / 145,000
WVTR ⁽³⁾	F1249	g/100 in ² /day	0.7

(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 processability
- Good tear and impact strength
- Good stiffness
- Excellent compatibility with LDPE and LLDPE
- Excellent drawdown

APPLICATIONS:

- Multi-wall liners
- Gas flush poultry bags
- Security bags
- Courier bags
- Heavy-duty shipping sacks
- Fresh cut produce packaging
- Coextruded films

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