



Lumicene® mPE L425

Metallocene Polyethylene Specialty Film Resin

FILM

RESIN PROPERTIES ⁽¹⁾

	Method	Unit	Typical Value
Melt Flow Index	D1238	g/10 min	–
190°C/2.16 kg	–	–	0.4
190°C/21.6 kg (HLMI)	–	–	12
Density	D792	g/cm ³	0.925
Melting Temperature	D3417	°F	248

FILM PROPERTIES ^{(1) (2)}

	Method	Unit	Typical Value
Dart Impact	D1709, A	g	300
Elmendorf Tear	D1922	g (MD/TD)	350 / 800
Tensile Strength at Break	D882, A	psi (MD/TD)	6,500 / 6,000
Elongation at Break	D882, A	% (MD/TD)	700 / 800
1% Secant Modulus	D882, A	psi (MD/TD)	33,000 / 34,000
Haze	D1003	%	8
Gloss, 45°	D523	–	60

(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.

CHARACTERISTICS:

- Provides excellent bubble stability
- Exceptional tear strength
- High impact and puncture resistance
- Outstanding clarity and gloss
- Good stiffness
- Excellent compatibility with LDPE and LLDPE

APPLICATIONS:

- Shrink films
- Heavy duty sacks
- Food packaging
- Laminations and multilayer packaging films

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