

Description

Polyethylene Lumicene® mPE M 3410 EP: Outstanding clarity and gloss; excellent bubble stability; high stiffness; good tear strength; good puncture resistance; good heat sealing properties; excellent compatibility with LDPE and LLDPE.

Applications: Lumicene® mPE M 3410 EP is recommended for tissue & towel overwrap films, clarity shrink films, protective packaging, laminations and multilayer packaging films.

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	D-1238	g/10 min	
190°C/2.16 kg			0.9
190°C/21.6 kg (HLMI)			30
Mechanical Properties⁽¹⁾⁽²⁾			
Dart Impact	D-1709, A	g	60
Elmendorf Tear	D-1922	g (MD/TD)	55 / 400
Tensile Strength @ Break	D-882, A	psi (MD/TD)	6400 / 6100
Elongation at Break	D-882, A	% (MD/TD)	400 / 650
1% Secant Modulus	D-882, A	kpsi (MD/TD)	53 / 56
WVTR ⁽³⁾	F-1294	g/100in ² /day	0.65
Thermal Properties⁽¹⁾			
Extrusion Melt Temperature		°F	380 - 410
Melting Point	D-3417	°F	255
Other Physical Properties			
Density	D-792	g/cm ³	0.934

(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 BUR.

(3) Water Vapor Transmission Rate