

Description

Polyethylene Lumicene® mPE M 2710 EP: Outstanding clarity and gloss; excellent bubble stability; excellent tear strength; high puncture resistance; good stiffness; excellent heat sealing properties; excellent compatibility with LDPE and LLDPE.

Applications: Lumicene® mPE M 2710 EP is recommended for clarity shrink films, food packaging, laminations and multilayer packaging film.

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	150
Elmendorf Tear	D-1922	g (MD/TD)	165 / 500
Tensile Strength @ Break	D-882, A	psi (MD/TD)	4900 / 4800
Elongation at Break	D-882, A	% (MD/TD)	580/ 720
1% Secant Modulus	D-882, A	kpsi (MD/TD)	31 / 25
WVTR ⁽³⁾	F-1294	g/100in ² /day	0.9
Thermal Properties⁽¹⁾			
Melting Point	D-3417	°F	250
Other Physical Properties			
Density	D-792	g/cc	0.927

(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