

Description

L425: Blown film polyethylene grade. 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: L425 is recommended for shrink films, heavy duty sacks, 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			0.4
190°C/21.6 kg (HLMI)			12
Mechanical Properties⁽¹⁾⁽²⁾			
Dart Impact	D-1709, A	g	300
Elmendorf Tear	D-1922	g (MD/TD)	350 / 800
Tensile Strength @ Break	D-882, A	psi (MD/TD)	6500 / 6000
Elongation at Break	D-882, A	% (MD/TD)	700 / 800
1% Secant Modulus	D-882, A	kpsi (MD/TD)	33 / 34
Haze	D-1003	%	8
Gloss, 45°	D-523	%	60
Thermal Properties⁽¹⁾			
Melting Point	D-3417	°F	248
Other Physical Properties⁽¹⁾			
Density	D-792	g/cc	0.925

(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.

L425 08/2015