

Description

EC045D: Extrusion coating polyethylene grade. Designed for good processing characteristics in extrusion coating applications. Provides improved edge stability and lower neck in than conventional LLDPE grades while offering improvements in strength and optics over traditional LDPE products. EC045D also offers improved moisture barrier, higher heat resistance, and higher seal strength.

Applications: EC045D is designed for use in extrusion coating and extrusion lamination applications. It is compatible with conventional LDPE and LLDPE and can be used in coextrusion and monolayer structures.

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	D-1238	g/10 min	
190°C/2.16 kg			4.5
190°C/21.6 kg (HLMI)			100
Mechanical Properties⁽¹⁾⁽²⁾			
Haze	D1003	%	7
1% Secant Modulus	D882, A	kpsi	21
Tensile Strength at Yield	D882, A	psi	1,100
Elongation at Break	D882, A	%	780
Dart Impact	D1709, A	g	200
WVTR ⁽³⁾	F1249	g/100 in ² /day	0.48
Other Physical Properties			
Density	D-792	g/cm ³	0.925
Melting Temperature	DSC	°C	120

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) 2 mil cast film

(3) Water Vapor Transmission Rate

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