

Description

HDPE HL 535: High stiffness, good heat resistance, excellent bubble stability, good compatibility with LDPE and LLDPE

Applications: HL 535 is recommended for release liners, stand-up bags, coextruded films

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	D-1238	g/10 min	
190°C/2.16 kg			0.35
190°C/21.6 kg (HLMI)			30.0
Mechanical Properties⁽¹⁾⁽²⁾			
Dart Impact	D-1709, A	g	<50
Elmendorf Tear	D-1922	g (MD/TD)	8 / 1100
Tensile Strength @ Yield	D882, A, 20 in/min	psi (MD/TD)	4000 / 4300
Tensile Strength @ Break	D-882, A, 20 in/min	psi (MD/TD)	6300 / 4300
Elongation at Break	D-882, A, , 20 in/min	% (MD/TD)	500 / 25
1% Secant Modulus	D-882, A, , 20 in/min	kpsi (MD/TD)	133 / 186
WVTR ⁽³⁾ @ 100°F	F-1249	g/100in ² /day	0.7
Thermal Properties⁽¹⁾			
Melting Point	D-3417	°F	270
Other Physical Properties			
Density	D-792	g/cm ³	0.955
Processing Recommendation			
Extrusion Melt Temperature		°F	380 – 420

(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