

Description

HDPE 9458: High stiffness, high tensile strength, good heat resistance, excellent bubble stability, good compatibility with LDPE and LLDPE.

Applications: Release liners, stand-up bags, coextruded films, shipping sacks, multi-walled liners, oriented film structures, specialty packaging.

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	D-1238	g/10 min	
190°C/2.16 kg			0.45
Film Properties⁽¹⁾⁽²⁾			
Dart Impact	D1709, A	g	<50
Elmendorf Tear (MD/TD)	D1922	g	15 / 1050
Tensile Strength @ Yield (MD/TD)	D882, A, 20 in/min	psi	4500 / 2600
Tensile Strength @ Break (MD/TD)	D882, A, 20 in/min	psi	7700 / 2600
Elongation @ Break (MD/TD)	D882, A, 20 in/min	%	270 / < 10
Secant Modulus @ 1% (MD/TD)	D882, A, 1 in/min	kpsi	152 / 199
WVTR ⁽³⁾ @ 100°F	F1249	g/100 in ² /day	0.7
Other Physical Properties			
Density	D-792	g/cm ³	0.958
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

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