

Quimtec HM 0995

Quimtec HM 0995 is a high molecular weight (HMW) HDPE resin with broad, bimodal molecular weight distribution. Films produced with this resin offer high stiffness and good seal, outstanding impact strength and good tear resistance, plus the traditional high tensile properties of HDPE resin, due to its ideal balance of melt index, molecular weight distribution and density.

Typical Applications:

Merchandise bags, grocery sacks, trash can liners, T-shirt bags, produce bags and roll stocks

<i>Typical Properties:</i>	<i>Value</i>	<i>Units</i>	<i>ASTM test method</i>
Density	0.948	g/cm ³	D 1505
Melt Index	0.090	g/10 min.	D 1238

Film Properties: (0.5 mil)

Elmendorf Tear Strength	11 (73)	grams	D 1922
MD (CD)			
2% Secant Modulus	140,081 (159,159)	psi	D 882
MD (CD)			
Tensile Strength	13,551 (9,985)	psi	D 882
MD (CD)			
Yield Strength	3,700 (3,400)	psi	D 882
MD (TD)			
Elongation MD (CD)	330 (414)	%	D 882
Gloss, 45°	9.4		D 2457
Haze	69	%	D 1003

Typical Processing:

Screw Size: 1.97 in. (50mm); 24:1 L/D
Output: 8lb/hr/in. of die circumference
Die Diameter: 3.94 in. (100mm)
Blow up ratio: 4.1
Neck Height: 32 in. (813 mm)
Melt Temperature 410°F (210°C)

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