



Quimtec HM 0595

Quimtec HM 0595 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.

Regulatory status:

Quimtec HM-0595 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food. "Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information.

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	0.950	g/cm ³	D 1505
Melt Index	0.050	g/10 min.	D 1238

Film Properties: (0.5 mil)

Elmendorf Tear Strength	14 (35)	grams	D 1922
MD (TD)			
1% Secant Modulus	115,000 (140,000)	psi	D 882
MD (TD)			
Tensile Strength	8,400 (5,000)	psi	D 882
MD (TD)			
Yield Strength	3,700 (3,400)	psi	D 882
MD (TD)			
Elongation MD (TD)	340 (420)	%	D 882

Typical Processing:

Melt Temperature 390-420°F (199-216°C)

The information on this document is, to our knowledge, true and accurate. However, since the particular uses and the actual conditions of use of our products are beyond our control, establishing satisfactory performance of our products for the intended application is the customer's sole responsibility. No warranties are given. All implied warranties of merchantability or fitness for a particular purpose are expressly excluded