

ExxonMobil HDPE

HTA 001HD

Blown Film Resin

Description

HTA 001HD is a high molecular weight HDPE film grade. Films made from HTA 001HD exhibit excellent impact and toughness properties as well as high stiffness.

Applications

- shoppers
- refuse sacks
- liners

Additive Package	Antiblock	Slip	Thermal Stabilizer
HTA 001HD	No	No	Yes

Resin Properties	Test Based On	Typical Value / Unit	
Melt Index (21.6 kg, 47.6 lb)	ASTM D1238	9 g/10 min	
Melt Index (2.16 kg, 4.76 lb)	ASTM D1238	0.07 g/10 min	
Density	ASTM D4703 / D1505	0.952 g/cm ³	
Vicat Softening Point	ASTM D1525	125 °C	257 °F

Film Properties

Yield Strength	MD	ASTM D882	33 MPa	4800 psi
	TD		29 MPa	4200 psi
Tensile Strength	MD	ASTM D882	56 MPa	8000 psi
	TD		56 MPa	8000 psi
Elongation @ Break	MD	ASTM D882	370 %	
	TD		390 %	
1% Secant Modulus	MD	ASTM D882	1000 MPa	145000 psi
	TD		1000 MPa	145000 psi
Dart Drop Impact, A/Face		ASTM D1709	200 g	
Elmendorf Tear Strength	MD	ASTM D1922	17 g	
	TD		25 g	

The film properties have been measured on 15 µm (0.59 mil) thick films with a blow-up ratio of 4 : 1 and a frostline height of 10 x die diameter (die diameter/ gap: 100mm/1.0mm (4 in/0.04 in); 215 °C (419 °F) melt temperature; 60 kg/hr (132 lb/hr) output).

HTA 001HD can - in principle - be used in food contact applications in various EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.

Revised 12/03