

Producer: Exxon Mobil Corporation / The United States (USA)

HTA 001HP2

Description:

Blown Film Resin.

HTA 001HP2 is a high molecular weight HDPE film grade providing very good processability on high output extruders. Films made from **HTA 001HP2** exhibit excellent impact and toughness properties as well as high stiffness.

Applications:

- shoppers
- refuse sacks
- liners

Additive Package	Antiblock	Slip	Thermal Stabilizer
HTA 001HP2	No	No	Yes

Typical Properties:

PROPERTIES	TEST BASED ON	TUPICAL VALUE / UNIT	
<u>Resin Properties</u>			
Melt Index	ASTM D 1238	0.05 g/10 min	
Melt Flow Rate (190°C, 21.6kg)	ASTM D 1238	8.5 g/10 min	
Density	ExxonMobil Method	0.952 g/cm ³	
Vicat Softening Point	ASTM D 1525	125 °C	257 °F
<u>Film Properties (@ thickness 15 µ (0.59 mil))</u>			
Tensile Strength at Yield MD	ASTM D 882	34 Mpa	4950 psi
Tensile Strength at Yield TD	ASTM D 882	28 Mpa	4050 psi
Tensile Strength at Break MD	ASTM D 882	52 Mpa	7500 psi
Tensile Strength at Break TD	ASTM D 882	61 Mpa	9000 psi
Elongation at Break MD	ASTM D 882	390%	
Elongation at Break TD	ASTM D 882	340%	
1% Secant Modulus MD	ASTM D 882	1000 Mpa	145000 psi
1% Secant Modulus TD	ASTM D 882	1000 Mpa	145000 psi
Dart Drop Impact Strength, F50	ASTM D 1709A	160 g	
Elmendorf Tear Strength MD	ASTM D 1922	22 g	
Elmendorf Tear Strength TD	ASTM D 1922	23 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 001HP2 can in principle be used in food contact film applications in various EU Member States and in the USA (FDA). Migration or use limitations may apply.