

## ExxonMobil HDPE HTA 001HP2 High Density Polyethylene (HMW) Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

**Material Notes:**

Product Description: HTA 001HP2 is a high molecular weight HDPE film grade providing very good processability on high output extruders.

Films made from HTA 011HP2 exhibit excellent impact and toughness properties as well as high stiffness. Availability: Africa &amp; Middle

East, Asia Pacific and Europe Additive: Antiblock: NoSlip: NoThermal Stabilizer: Yes Applications: Blown FilmGrocery SacksLiners Refuse

BagsShoppersThin Gauged Consumer Bags

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-HDPE-HTA-001HP2-High-Density-Polyethylene-HMW-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HTA-001HP2-High-Density-Polyethylene-HMW-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in <sup>3</sup>	ASTM D4883
Melt Flow	9.5 g/10 min @Load 21.6 kg, Temperature 190 °C	9.5 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	40.7 MPa	5900 psi	ASTM D882
Film Tensile Strength at Yield, TD	29.0 MPa	4200 psi	ASTM D882
Film Elongation at Break, MD	210 %	210 %	ASTM D882
Film Elongation at Break, TD	430 %	430 %	ASTM D882
Elmendorf Tear Strength MD	7.0 g	7.0 g	ASTM D1922
Elmendorf Tear Strength TD	30 g	30 g	ASTM D1922
Dart Drop Test	190 g	0.419 lb	ASTM D1709A
Film Tensile Strength at Break, MD	57.2 MPa	8300 psi	ASTM D882
Film Tensile Strength at Break, TD	48.3 MPa	7000 psi	ASTM D882
1% Secant Modulus, MD	1170 MPa	170000 psi	ASTM D882
1% Secant Modulus, TD	1170 MPa	170000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 °C	259 °F	ASTM D1525

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