

ExxonMobil HDPE HTA 002 High Density Polyethylene Resin

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

Material Notes:

Product Description: HTA 002 is a general purpose medium molecular weight HDPE grade, characterized by easy processability, especially in coextrusion and blending with other polyolefins. HTA 002 can also be used pure, especially for easy processing and conversion into small and thin bags, to be used for light item packaging. **Availability:** Africa & Middle East, Asia Pacific and Europe **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: Yes **Applications:** Blown FilmCollation ShrinkFood packagingGeneral PackagingGrocery SacksHeavy Duty BagsIndustrial PackagingLabel FilmShrink FilmStand Up PouchesThin Gauged Consumer Bags Trash BagsTrash Can LinersInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HTA-002-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D4883
Melt Flow	16 g/10 min @Load 21.6 kg, Temperature 190 °C	16 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	29.0 MPa	4200 psi	ASTM D882
Film Tensile Strength at Yield, TD	29.0 MPa	4200 psi	ASTM D882
Film Elongation at Break, MD	320 %	320 %	ASTM D882
Film Elongation at Break, TD	450 %	450 %	ASTM D882
Elmendorf Tear Strength MD	8.0 g	8.0 g	ASTM D1922
Elmendorf Tear Strength TD	60 g	60 g	ASTM D1922
Dart Drop Test	160 g	0.353 lb	ASTM D1709A
Film Tensile Strength at Break, MD	55.2 MPa	8000 psi	ASTM D882
Film Tensile Strength at Break, TD	50.3 MPa	7300 psi	ASTM D882
1% Secant Modulus, MD	965 MPa	140000 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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