

ExxonMobil™ HDPE HTA 108

High Density Polyethylene Resin

Product Description

HTA 108 is a homopolymer HDPE film grade designed to improve stiffness and barrier in coextrusion or in PE blends. When blended with LLDPE or metallocene LLDPE, HTA 108 improves their processability.

General

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Blown Film ▪ Bread Bags ▪ Collation Shrink ▪ Food packaging ▪ Form Fill And Seal Packaging ▪ Freezer Film	▪ General Packaging ▪ Industrial Packaging ▪ Label Film ▪ Lamination Film ▪ Multilayer Packaging Film ▪ Overwrap Film	▪ Packaging Films ▪ Shoppers ▪ Shrink Film ▪ Stand Up Pouches

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.961 g/cm ³	0.961 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	0.70 g/10 min	0.70 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR)	46 g/10 min	46 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	261 °F	127 °C	ASTM D1525

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	8700 psi	60 MPa	ASTM D882
Tensile Strength at Break TD			ASTM D882
20 in/min (500 mm/min)	4500 psi	31 MPa	
Elongation at Break MD			ASTM D882
20 in/min (500 mm/min)	510 %	510 %	
Elongation at Break TD			ASTM D882
20 in/min (500 mm/min)	2 %	2 %	
Secant Modulus MD - 1% Secant	170000 psi	1200 MPa	ASTM D882
Secant Modulus TD - 1% Secant	250000 psi	1700 MPa	ASTM D882
Dart Drop Impact	< 30 g	< 30 g	ASTM D1709A
Elmendorf Tear Strength MD	10 g	10 g	ASTM D1922
Elmendorf Tear Strength TD	200 g	200 g	ASTM D1922

