

Exxon HD 7960.13

High Density Polyethylene

HDPE

Features:

HD 7960.13 is a high molecular weight HDPE blown film resin. Films made from HD 7960.13 exhibit excellent impact and toughness properties, as well as high stiffness. HD 7960.13 is particularly recommended for films less than 0.5 mil in thickness.

Applications:

- Retail carry-out sacks - Merchandise bags- Institutional can liners- Consumer trash bags

Additives:

Antiblock: NoHeat Stabilizer: YesSlip: No

Resin Properties	Typical Value	Unit	Test Based On
Melt Index (190°C/2.16 kg)	0.060	g/10 min	ASTM D1238
Density	0.952	g/cm ³	ExxonMobil Method
High Load Melt Index (190°C/21.6 kg)	10	g/10 min	ASTM D1238
Peak Melting Temperature	264	°F	ExxonMobil Method

Film Properties	Typical Value	Unit	Test Based On
Tensile Strength at Yield MD	5370	psi	ASTM D882
Tensile Strength at Yield TD	4500	psi	ASTM D882
Tensile Strength at Break MD	11900	psi	ASTM D882
Tensile Strength at Break TD	10900	psi	ASTM D882
Elongation at Break MD	280	%	ASTM D882
Elongation at Break TD	340	%	ASTM D882
Tensile Modulus MD - 1% Secant	144000	psi	ASTM D882
Tensile Modulus TD - 1% Secant	154000	psi	ASTM D882
Dart Drop Impact	300	g	ASTM D1709
Elmendorf Tear Strength MD	9.0	g	ASTM D1922
Elmendorf Tear Strength TD	22	g	ASTM D1922

Processing Statement

Film data was obtained on 0.5 mil film with a 4.0:1 blow-up ratio and a stalk height of 7x die diameter.

** Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, and with the European standards 85/572/EEC, 90/128/EEC y 97/48/EEC covering safe use of polyolefin articles intended for direct food contact.

*** The reported values are typical and do not constitute a warranty but a guide for the diverse application possibilities.

*** ExxonMobil Polyethylene is not intended for use in medical applications.

*** Typical properties: these are not to be construed as specifications.