

# HDPE HDF 504

High Density Polyethylene - HMW



## Overview

HDPE HDF 504 is a bi-modal HMW-HDPE resin designed for high dart impact strength and good processing characteristics. The resin is well balanced in overall physical properties and provides good stiffness for thin gauge film applications.

## Applications

- T-shirt bags
- Trash can liners
- Industrial liners
- Heavy bags

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	0.04	g/10 min	D 1238
Density (g/cm <sup>3</sup> )	0.949	g/cm <sup>3</sup>	D 792
Melt Index (190°C/ 21.6kg)	8.50	g/10 min	D 1238
(HLMI) Melting Point	131	°C	DSC
Dart Impact	210	g/mil.	D 1709
Elmendorf Tear Strength MD	12	g/mil.	D 1922
Elmendorf Tear Strength TD	25	g/mil.	D 1922
Tensile Strength at Break	9000	psi	D 882
Tensile Strength at Break TD	4100	psi	D 882
Elongation MD	300	%	D 882
Elongation TD	410	%	D 882

This resin complies with FDA regulation 21 CFR 177.1520 (c) 3.1a, and may be used as articles or components of articles intended for packaging or holding food, except during cooking.