

HDPE M4952

High Density Polyethylene



Overview

This resin is a high density, high molecular weight PE. It is a bimodal film extrusion grade for general purpose packaging film and industrial applications. This resin demonstrates outstanding performance for high strength applications.

Applications

- Industrial Parts
- Pails & Lids
- Shipping Containers
- Cast Film Extrusion

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	4	g/10 min	D 1238
Density (g/cm ³)	0.952	g/cm ³	D 792
Tensile at Yield	3850	psi	D638
Elongation at Break	1050	%	D638
Flexural Modulus	150,000	psi	D790
ESCR, Condition B, F50	22	hours	D1693
Brittleness Temperature, F50	<- 105	°F	D746
Durometer Hardness	57	Shore D	D2240
Vicat Softening Point	261	°F	D1525

Regulatory - This material complies with FDA regulations in 21 CFR, section 177.1520.