HDPE M4952

High Density Polyethylene

StarResin

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 190°C/2.16 kg)	4	g/10 min	D 1238
Density (g/cm³)	0.952	g/cm³	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.

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility. User must make their own decisions regarding its suitability for their equipment and final products.