

HDPE 8960

High Density Polyethylene



Overview

This high density polyethylene with good stiffness, excellent impact strength, enhanced flow, and recyclable.

This resin meets these specifications FDA 21 CFR 177.1520.

Applications

- Crates
- Shipping Containers
- Structural Foam
- Totes

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	8	g/10 min	D 1238
Density (g/cm ³)	0.960	g/cm ³	D 792
Tensile Strength (Yield)	4200	psi	D638
Elongation (Break)	380	%	D638
Flexural Modulus	189,000	psi	D790
Durometer Hardness (Shore D)	70		D2240
Brittleness Temperature	<-105	°C	D746A
Vicat Softening Temperature	261	°C	D1525A
ESCR, Condition B (F50, 100% Igepal)	>10	h	D1693