

HDPE 35953

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

- Caps and closures
- Storage Containers
- Housewares
- Toys

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	35	g/10 min	D 1238
Density (g/cm ³)	0.953	g/cm ³	D 792
Tensile Strength (Yield)	3900	psi	D638
Elongation (Break)	280	%	D638
Flexural Modulus	175,000	psi	D790
Durometer Hardness (Shore D)	63		D2240
Brittleness Temperature	<-105	°C	D746A
Vicat Softening Temperature	254	°C	D1525A
ESCR, Condition B (F50, 100% Igepal)	<10	h	D1693