

HDPE HDM 520

High Density Polyethylene



Overview

HDM 533 is a narrow molecular weight hexene copolymer designed to maximize injection molding speed and productivity in thin wall articles. Lower processing temperatures enable production of products free of taste and odor for food and beverage packaging.

Applications

- Food packaging containers
- Food Service Trays
- Houseware Articles
- Housewares
- Toys

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	33	g/10 min	D 1238
Density (g/cm ³)	0.953	g/cm ³	D 792
Deflection Temperature Under Load at 66 psi - Unannealed	133	°F	D648
Deflection Temperature Under Load at 264 psi - Unannealed	100	°F	D648
Melting Temperature	268	°F	D3418
Tensile Strength at Yield	3160	psi	D638
Elongation at Break	56	%	D638
Flexural Modulus - 1% Secant	10900	psi	D790B
ESCR (10% Igepal, F50)	<2	hours	D1693B
Notched Izod Impact, - 40 °F	.84	ft-lb/in	D256