

HDPE HDM 505

High Density Polyethylene



Overview

HDPE HDM 505 is a narrow molecular weight high density polyethylene hexene copolymer is intended for use in injection molding applications. This resin is designed to provide excellent processability for molders and to meet the outstanding balance of stiffness, toughness properties.

Applications

- Industrial caps and closures
- Industrial pails
- Packaging drum lids
- Recreational vehicle components

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	4.5	g/10 min	D 1238
Density (g/cm ³)	0.952	g/cm ³	D 792
Deflection Temperature Under Load at 66 psi	160	°F	D648
Deflection Temperature Under Load at 264 psi	99.1	°F	D648
Melting Temperature	271	°F	D3416
Tensile Strength at Yield	3570	psi	D648
Elongation at Break	73	%	D648
Flexural Modulus, 1% Secant	114000	psi	D790B
ESCR 10% Igepal, F50	16	hr	D1693B
Notched Izod Impact Strength (- 40°F)	1.8	ft.lb/in	D256