

# HDM 507

## High Density Polyethylene



### Overview

MARPOL® HDM 507 is a narrow molecular weight distribution copolymer resin that exhibits excellent toughness and impact strength. This is also designed for good stiffness and processability over a variety of molding conditions.

### Applications

- Industrial caps and closures
- Industrial pails
- Crates
- Cases
- Structural foam

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	7.0	g/10 min	D 1238
Density (g/cm <sup>3</sup> )	0.952	g/cm <sup>3</sup>	D 792
Tensile Strength at Break	2400	psi	D638
Tensile Strength at Yield	3000	psi	D638
Elongation at Break	700	%	D638
Tensile Modulus - 2% Secant (psi)	97000	psi	D638
Flexural Modulus	146000	psi	D790
Vicat Softening Point	256	°F	D1525
Notched Izod Impact -58 °F	1.2	ft-lb/in	D256
Notched Izod Impact -73 °F	2.3	ft-lb/in	D256