



**MARPOL**  
**HDM 533**  
High Density Polyethylene



**PRODUCT DATA SHEET**

PROPERTY	VALUE	ASTM
Melt Index (190°C/ 2.16kg) (g/10 min)	33	D 1238
Density (g/cm <sup>3</sup> )	0.950	D 4883
Deflection Temperature Under Load at 66 psi - Unannealed (°F)	133	D 648
Deflection Temperature Under Load at 264 psi - Unannealed (°F)	100	D 648
Melting Temperature (°F)	268	D 3418
Tensile Strength at Yield (psi)	3160	D 638
Elongation at Break (%)	56	D 638
Flexural Modulus - 1% Secant (psi)	109000	D 790B
ESCR (10% Igepal, F50)	< 2.0 hrs	D 1693B
Notched Izod Impact, - 40 °F (ft-lb/in)	.84	D 256

MARPOL® 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.

**Recommended Applications:** Food packaging containers, food service trays, houseware articles, housewares, and toys.

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility.