



**MARPOL**  
**HDM 550**  
High Density Polyethylene



**PRODUCT DATA SHEET**

PROPERTY	VALUE	ASTM
Melt Index (190°C/ 2.16kg) (g/10 min)	50	D 1238
Density (g/cm <sup>3</sup> )	0.942	D 792
Tensile Strength at Break (psi)	2090	D 638
Tensile Strength at Yield (psi)	3030	D 638
Elongation at Break (%)	37	D 638
Elongation at Yield (%)	9.0	D 638
Flexural Modulus, 2% (psi)	83500	D 790B
Brittleness Temperature (°F)	-63.0	D 746
Tensile Impact Strength (ft-lb/in <sup>2</sup> )	43.0	D 1822
ESCR Condition B (hrs)	6	D 1693

MARPOL® HDM 550 is an HDPE resin designed for part thinwalling in injection molding applications. This resin displays good processability and stiffness/impact balance. This resin has a narrow molecular weight distribution and high flow for processing ease.

**Recommended Applications**

Thin-walled containers, food containers and freezer containers

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.