



MARPOL
HDM 509
High Density Polyethylene



PRODUCT DATA SHEET

PROPERTY	VALUE	ASTM
Melt Index (190°C/ 2.16kg) (g/10 min)	9.0	D 1238
Density (g/cm ³)	0.954	D 792
Tensile Strength at Break (psi)	2320	D 638
Tensile Strength at Yield (psi)	3235	D 638
Elongation at Break (%)	650	D 638
Elongation at Yield (%)	9	D 638
Flexural Modulus, 1% (psi)	139240	D 790
Vicat Softening Point (°F)	262	D 1525
Hardness, Shore D	66	D 2240
ESCR Condition B 100% (hrs)	<10	D 1693

MARPOL® HDM 509 features superior stiffness for part thinwalling and enhanced stacking strength. This resin displays lower viscosity for good processability, shorter cycle times and energy efficiency. HDM 509 has excellent solid state properties that provide better impact resistance and ESCR.

Recommended Applications

Crates storage bins, totes, shipping pails, caps and closures

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.