



**MARPOL**

**HDB 546**

High Density Polyethylene - HLMI

# PRODUCT DATA SHEET

PROPERTY	VALUE	ASTM
Melt Index (190°C/2.16kg) (g/10 min)	< 0.10	D 1238
High Load MI (190°C/21.6kg) (g/10 min)	5.5	D 1238
Density (g/cm <sup>3</sup> )	0.946	D 4883
Brittleness Temperature (°F)	< -105	D 746
Vicat Softening Temperature (°F)	261	D 1525
Tensile Strength at Yield (psi)	3500	D 638
Elongation at Break (%)	1100	D 638
Flexural Modulus (psi)	150000	D 790
Environmental Stress Crack Resistance, Condition B, 100% Igepal (hr)	> 1000	D 1693
Tensile Impact Strength, 73 °F (ft-lb/in <sup>2</sup> )	200	D 1822

### Description

MARPOL® HDB 546 is a high load melt index, high-density polyethylene copolymer. This resin exhibits excellent stress crack resistance, melt strength and processability. It also displays high impact strength and good chemical resistance.

### Recommended Applications

Drums, heavy gauge sheets, thermoformed parts, fuel tanks, food packaging, intermediate bulk containers, compression moldings and large part blow molding

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.