



MARPOL

HDB 505

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 ³)	0.950	D 4883
Brittleness Temperature (°F)	<-105	D 746
Vicat Softening Temperature (°F)	261	D 1525
Tensile Strength at Yield (psi)	3000	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 ²)	200	D 1822

Description

MARPOL® HDB 505 is a high molecular weight high density polyethylene copolymer. It has a combination of excellent processability, melt strength, high impact strength, chemical resistance and high stress cracking resistance.

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.