



MARPOL HDB 505-P

High Density Polyethylene - HLMI Powder

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)	5.0	D 1238
Density (g/cm ³)	0.934	D 4883
Brittleness Temperature (°F)	<-121	D 746
Vicat Softening Temperature (°F)	259	D 1525
Tensile Strength at Yield (psi)	4100	D 638
Elongation at Break (%)	1400	D 638
Flexural Modulus (psi)	200000	D 790
Environmental Stress Crack Resistance, Condition B, 100% Igepal (hr)	> 1000	D 1693
Tensile Impact Strength, 73 °F (ft-lb/in ²)	190	D 1822

Description

MARPOL® HDB 505-P is a high molecular weight high density polyethylene copolymer. It has a combination of high impact strength and high stress cracking resistance.

Physical Appearance

Powder Form

Applications

Compounding

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.