



MARPOL

HDP PE100

Bimodal Polyethylene



PRODUCT DATA SHEET

PROPERTY	VALUE	ASTM
Melt Index (190°C/2.16kg) (g/10 min)	0.40	D 1238
High Load MI (190°C/21.6kg) (g/10 min)	13	D 1238
Density (g/cm ³) Natural / Black	0.949 / 0.959	D 792
Brittleness Temperature (°F)	<-103	D 746
Vicat Softening Temperature (°F)	261	D 1525
Tensile Strength at Yield / Break (psi)	>3500 / >4660	D 638
Tensile Elongation at Yield / Break (%)	16 / 500	D 638
Flexural Modulus (psi)	134000	D 790B
Slow Crack Growth PENT 176°F (hr)	10000	F 1473

Description

MARPOL® HDP PE100 is a bimodal polyethylene resin to be used for pipe applications where long-term hydrostatic strength combined with outstanding resistance to slow crack growth, rapid crack propagation, chlorinated water and high melt strength is needed. This resin has excellent processability for the full range of pipe sizes and wall thicknesses to include heavy wall pipe.

Recommended Applications

Natural gas distribution pipes, large diameter industrial piping, mining, sewage and municipal water service lines

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.



MARCO POLO
INTERNATIONAL, INC.
Worldwide Distributors of Plastic Resins

1121 Walt Whitman Road Suite 301 Melville, NY 11747 Tel: 631-629-4520 Fax: 631-629-4519