



innovation by design

TECHNICAL DATA SHEET

HDPE

DESCRIPTION

High-density polyethylene is a thermoplastic polymer produced from the monomer ethylene.

PRODUCT BENEFITS

Protects threads and surfaces during low temp paint-process, shipping, and storage. May be used and removed multiple times,

TECHNICAL DATA

Item	Test Method	Result
Density (g/cu.cm)	ASTM D 2893-69	0.956
Melt Mass Flow Rate (g/10min)	ASTM D 1238-7 Condition E (test condition 190C / 2.16kg)	20
Elongation at Break (%)	ISO R527 Type 2 Speed D	900
Flexural Modulus (MPa)	ASTM D 790-71	1000
Tensile Strength (MPa)	ASTM D 638-72	22
Izod Impact Strength (KJ/sq.m)	ASTM D 256-73B	10
Durometer Hardness (Shore D)	ASTM D 2240-75	66

The above values are typical values and should be used only as a guide. Due to the nature of process variables, Echo makes no warranty or guarantee on the use of this product in a specific process and user should always test material in their own process before running production.