

HDPE M6960

High Density Polyethylene



Overview

Excellent stiffness, good impact strenght, durability and recyclability for sustainability

Applications

- Crates
- Tote Boxes
- Structural Foam

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	6.5	g/10 min	D 1238
Density (g/cm ³)	0.962	g/cm ³	D 792
Flexural Modulus, 1% Secant	230000	psi	D790
Tensile Strength at Yield	4700	psi	D638
Elongation at Yield	8	%	D638
Elongation at Break	>900	%	D638
ESCR, Condition B, F50	15	hrs	D1693
Notched Izod Impact	0.6	ft-lbf/in	D256
High Speed Impact Peak Energy	15	ft-lbf	D3763
High Speed Impact Total Energy	23	ft-lbf	D3763
Brittleness Temperature, F50	<- 103	°F	D746
Durometer Hardness	66	Shore D	D2240
Vicat Softening Point	261	°F	D1525
Heat Deflection Temperature	189	°F	D648

Regulatory: This material complies with FDA regulations in 21 CFR, section 177.1520 (c)