

MELT - 7.0

DENSITY - 0.962

HI-762 is a certified prime grade designed for injection molding of industrial container applications requiring superior toughness and high stiffness. **HI-762** recommended processing temperature is 220 to 250°C with mold @ 20 to 40°C. **HI-762** complies with FDA regulation 21CFR177.1520 (c) 3.2 (a) and with most international regulations concerning the use of Polyethylene in contact with food articles.

Features:

- Very narrow molecular weight distribution
- Good processability
- Good impact strength
- Excellent dimensional stability
- Low warpage

Typical Applications:

- Pails & crates
- Fruit & vegetable trays
- Sport articles
- Cases
- Tote bins

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	0.962
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	7.0
Tensile Strength (Yield) Comp. Mold	D638	psi	4350
Tensile Elongation (Break) Comp. Mold	D638	%	1500
Flexural Modulus - 1% Secant Comp. Mold	D790	psi	189k
Notched Izod Impact (73 °F) Comp. Mold	D1822	ft-lb/in ²	1.0
Durometer Hardness (Shore D)	D2240		67
Vicat Softening Temperature	D1525	°F	264