

MELT - 12

DENSITY - 0.952

**HI-1252** is a certified prime copolymer designed for molding applications requiring good toughness and moderate stiffness. **HI-1252** complies with FDA regulation 21CFR 177.1520 (c)3.2(a) and most international regulations concerning polyethylene use in contact with food articles.

### Features:

- Easy processability
- Good impact strength
- Good resistance to low temperature
- Glossy surfaces
- Good dimensional stability

### Typical Applications:

- Housewares
- Toys
- General purpose molded applications

PROPERTIES	ASTM	UNIT	VALUES
Density	D1505	g/cm <sup>3</sup>	0.952
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	12
<b>PHYSICAL (Compression Molded)</b>			
Env. Stress Cracking Resistance (122°F, F50)	D1693B	hr	4.0
Tensile Strength (Yield)	D638	psi	4000
Tensile Elongation (Break)	D638	%	700
Flexural Modulus - 1% Secant	D790	psi	175k
Tensile Impact Strength	D1822	ft-lb/in <sup>2</sup>	28
HDT Under Load (66 psi)	D648	°F	158
Vicat Softening Temperature	D1525	°F	255
Brittleness Temperature	D746	°F	-130