

## HI-1752 High Density Polyethylene

**MELT - 17**

**DENSITY - 0.952**

HI-1752 is a certified prime copolymer. HI-1752 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
<b>PHYSICAL</b>			
Density	D1505	g/cm <sup>3</sup>	0.952
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	17
Env. Stress Cracking Resistance (122°F, F50)	D1693B	hr	2.80
Tensile Strength (Yield)	D638	psi	3200
Tensile Elongation (Break)	D638	%	280
Flexural Modulus - 2% Secant	D790	psi	118k
Tensile Impact Strength	D1822	ft-lb/in <sup>2</sup>	130
Vicat Softening Temperature	D1525	°F	489
Brittleness Temperature	D746	°F	-157