

## HI-5052 High Density Polyethylene

MELT - 50

DENSITY - 0.952

**HI-5052** is a certified prime grade designed for INJECTION MOLDING of multi-cavity thick-wall food containers. **HI-5052** offers a balance of excellent processability, good stiffness and toughness. **HI-5052** complies with FDA regulation 21CFR 177.1520(c) 3.2a.

### Features:

- Good impact resistance
- Good processability
- Good stiffness
- Good toughness
- High density

### Typical Applications:

- Lids
- Frozen food containers

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	50
<b>MECHANICAL</b>			
Tensile Strength (Yield)	D638	psi	3400
Tensile Elongation (Yield)	D638	%	15
Flexural Modulus	D790	psi	145k
Durometer Hardness	D2240		62
Brittleness Temperature	D746	°F	<(-94.0)
Vicat Softening Temperature	D1525	°F	247