

MELT - 70

DENSITY - 0.953

HI-7053 is a certified prime grade designed for injection molding of multi-cavity thin-wall food containers. HI-7053 recommended processing temperature is 210 to 230 °C with mold @ 20 to 40 °C. HI-7053 complies with FDA regulation 21CFR177.1520 (c) 3.1 (a) and with most international regulations concerning the use of Polyethylene in contact with food articles.

Features:

- Excellent processability
- Good impact strength
- Good dimensional stability
- Good warpage resistance

Typical Applications:

- Yogurt cups
- Frozen food containers

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	0.953
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	70
MECHANICAL			
Tensile Strength (Yield)	D638	psi	3000
Tensile Elongation (Yield)	D638	%	10
Flexural Modulus - 2% Secant	D790	psi	150k
Tensile Impact Strength	D1822	ft-lb/in ²	40.0
HDT Under Load (66 psi, Unannealed)	D648	°F	156
Vicat Softening Temperature	D1525	°F	252