

MELT - 9.0

DENSITY - 0.960

**HI-960U** is a certified prime homopolymer designed for molding applications requiring high warpage resistance and good balance of mechanical properties. **HI-960U** is UV stabilized. Recommended processing temperature is 210 to 240°C with mold @ 20 to 40°C.

### Features:

- Easy processability
- Very good stiffness
- Good impact strength
- High surface gloss
- Excellent dimensional stability

### Typical Applications:

- Crates
- Waste bins
- Pails
- Housewares
- Tote bins
- Fruit & vegetable trays
- Structural foam

PROPERTIES	ASTM	UNIT	VALUES
Density	D1505	g/cm <sup>3</sup>	0.960
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	9.0
PHYSICAL			
Env. Stress Cracking Resistance (122°F, F50)	D1693B	hr	5.0
Tensile Strength (Yield) Comp. Mold	D638	psi	4350
Tensile Elongation (Break) Comp. Mold	D638	%	>1000
Flexural Modulus - 1% Secant Comp. Mold	D790	psi	220k
Tensile Impact Strength	D1822	ft-lb/in <sup>2</sup>	29.0
Vicat Softening Temperature	D1525	°F	255
Brittleness Temperature	D746	°F	<-112
HDT Under Load (66 psi Comp. Mold)	D648	°F	174