

MELT - 25

DENSITY - 0.953

HI-2553 is a certified prime copolymer designed for molding thin wall applications requiring good resistance to low temperature and good balance of mechanical properties.

Features:

- High flow
- Fast cycling
- Easy processability
- Good impact strength
- High gloss surfaces
- Good dimensional stability
- Warpage resistance

Typical Applications:

- Multicavity margarine and yogurt tubes
- Ice cream pails
- Frozen food containers
- Deep drawn housewares
- Over-caps

| PROPERTIES | ASTM | UNIT | VALUES |
|---|-------|-----------------------|--------|
| Density | D1505 | g/cm ³ | 0.953 |
| Melt Flow Rate (190°C, 2.16kg) | D1238 | g/10 min | 25 |
| PHYSICAL (Compression Molded) | | | |
| Env. Stress Crack Resist. (122°F, F50) | D1693 | hr | 1.00 |
| Tensile Strength (Yield Comp. Mold) | D638 | psi | 4000 |
| Tensile Elongation (Yield Comp. Mold) | D638 | % | 150 |
| Flexural Modulus - 1% Secant (Comp. Mold) | D790 | psi | 165k |
| Tensile Impact Strength | D1822 | ft-lb/in ² | 15.0 |
| Brittleness Temperature | D746 | °F | -103 |
| HDT Under Load (66 psi, Unannealed) | D648 | °F | 167 |
| Vicat Softening Temperature | D1525 | °F | 252 |