

MELT - 0.70

DENSITY - 0.960

HGB-0760 is a certified prime Gas Phase blow molding homopolymer designed for production of containers for packaging of non-aggressive chemicals. Recommended processing temperature is 140 to 165°C with mold at 10 to 30°C.

Features:

- Low to medium swell
- Excellent processability in conventional & continuous extrusion equipment
- Good ESCR
- Good impact strength
- High stiffness
- Improved barrier
- Low odor & taste

Typical Applications:

- Small to medium thin wall bottles for milk, water & juices
- Wide mouth containers for body powders
- Extrusion of sheet & profiles

| PROPERTIES | ASTM | UNIT | VALUES |
|---|-------|-----------------------|--------|
| PHYSICAL | | | |
| Density | D1505 | g/cm ³ | 0.960 |
| Melt Flow Rate (190°C, 2.16kg) | D1238 | g/10 min | 0.70 |
| Env. Stress Cracking Resistance (Comp. Mold, F50) | D1693 | hr | 15 |
| Tensile Strength (Yield) Comp. Mold | D638 | psi | 4500 |
| Tensile Elongation (Break) Comp. Mold | D638 | % | 710 |
| Flexural Modulus - 1% Secant Comp. Mold | D790 | psi | 210k |
| Tensile Impact Strength | D1822 | ft-lb/in ² | 90.0 |
| Brittleness Temperature | D746 | °F | < -103 |
| Vicat Softening Temperature | D1525 | °F | 262 |
| HDT Under Load (66 psi Unannealed) | D648 | °F | 176 |