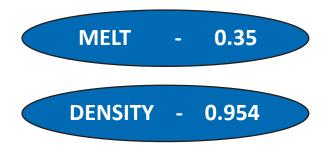
## Certene®

## HGB-0354 High Density Polyethylene



**HGB-0354** is a certified prime Gas Phase blow molding copolymer designed to meet end use requirements of containers for packaging of household industrial chemicals. Recommended processing temperature is 160 to 180°C with mold at 10 to 30°C.

## Features:

- Medium swell
- Easy & consistent processability either in conventional continuous or intermittent extrusion equipment
- Excellent ESCR, Impact strength & stiffness

## **Typical Applications:**

 Medium size containers for detergents, bleach, antifreeze, motor oil & ice chests

| PROPERTIES  | ASTM  | UNIT                  | VALUES |
|---|-------|-----------------------|--------|
| PHYSICAL  |       |                       |        |
| Density   | D1505 | g/cm <sup>3</sup>     | 0.954  |
| Melt Flow Rate (190°C, 2.16kg)                    | D1238 | g/10 min              | 0.35   |
| Env. Stress Cracking Resistance (Comp. Mold, F50) | D1693 | hr                    | 50     |
| Tensile Strength (Yield) Comp. Mold               | D638  | psi                   | 3900   |
| Tensile Elongation (Break) Comp. Mold             | D638  | %                     | 700    |
| Flexural Modulus - 1% Secant Comp. Mold           | D790  | psi                   | 170k   |
| Tensile Impact Strength                           | D1822 | ft-lb/in <sup>2</sup> | 98.0   |
| Brittleness Temperature                           | D746  | °F                    | -130   |
| Vicat Softening Temperature                       | D1525 | °F                    | 261    |
| HDT Under Load (66 psi Unannealed)                | D648  | °F                    | 165    |

