

## HPB-0354Z High Density Polyethylene

MELT - 0.35

DENSITY - 0.955

**HPB-0354Z** is a certified prime grade Phillips Process blow molding copolymer designed for lightweight parts needing consistent mold release. Recommended melt temperature is 180 to 190°C with mold @ 15 to 25°C. **HPB-0354Z** complies with FDA regulation 21CFR177.1520(c)3.2(a) and with most international regulations concerning the use of Polyethylene in contact with food articles.

### Features:

- Contains zinc stearate
- Good processability on conventional continuous or intermittent extrusion equipment
- Good ESCR
- Good impact strength & stiffness

### Typical Applications:

- Injection blow molded parts
- Small to medium bottles

PROPERTIES	ASTM	UNIT	VALUES
Density	D1505	g/cm <sup>3</sup>	0.955
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	0.35
<b>PHYSICAL (Compression Molded)</b>			
Env. Stress Cracking Resistance (122°F, F50)	D1693B	hr	35.0
Tensile Strength (Yield) Comp. Mold	D638	psi	3920
Tensile Elongation (Break) Comp. Mold	D638	%	600
Flexural Modulus - 1% Secant Comp. Mold	D790	psi	200k
Brittleness Temperature	D746	°F	< -112