

MELT - 0.35

DENSITY - 0.945

**HPB-0345** is a certified prime grade Phillips Process blow molding copolymer designed to meet end use requirements of containers for packaging of Household Industrial Chemicals. Recommended melt temperature is 180 to 200°C with mold @ 10 to 20°C. **HPB-0345** 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:

- Easy & consistent processability in conventional continuous or intermittent extrusion equipment
- Exceptional ESCR
- Exceptional impact strength

### Typical Applications:

- Containers for detergents
- Bleach
- Antifreeze
- Motor oil
- Agricultural chemicals

PROPERTIES	ASTM	UNIT	VALUES
<b>PHYSICAL</b>			
Density	D1505	g/cm <sup>3</sup>	0.945
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	0.35
Env. Stress Cracking Resistance (122°F, F50)	D1693B	hr	> 1000
Tensile Strength (Yield) Comp. Mold	D638	psi	3500
Tensile Elongation (Break) Comp. Mold	D638	%	900
Flexural Modulus - Tangent Comp. Mold	D790A	psi	151k
Tensile Impact Strength	D1822	ft-lb/in <sup>2</sup>	110
Vicat Softening Temperature	D1525	°F	250
Brittleness Temperature	D746	°F	< -103