

HGB-0454

High Density Polyethylene

MELT - 0.30

DENSITY - 0.954

HGB-0454 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 ³	0.954
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	0.30
Env. Stress Cracking Resistance (Comp. Mold, F50)	D1693	hr	60
Tensile Strength (Yield) Comp. Mold	D638	psi	3920
Tensile Elongation (Break) Comp. Mold	D638	%	1000
Flexural Modulus - 1% Secant Comp. Mold	D790	psi	170k
Tensile Impact Strength	D1822	ft-lb/in ²	97.5
Brittleness Temperature	D746	°F	< -130
Vicat Softening Temperature	D1525	°F	261
HDT Under Load (66 psi Unannealed)	D648	°F	165