

High Density Polyethylene (COMPMB)

COMPMB is a fractional melt flow PE copolymer which does not have the impact strength of LDPE but is softer and more resilient. This compound is designed for applications requiring the following properties:

- *Good Chemical Resistance*
- *High Density*
- *Good stiffness*
- *FDA 21 CFR*
- *Cannot be used much above 150 °F*

Some uses include: Food packaging, Household Goods, Industrial containers, Pharmaceuticals, and Tubing.

Typical Properties	Nominal Value	ASTM Test Method
Specific Gravity	0.955	D-1505
Environmental Stress-Cracking Resistance		
100% Igepal, Compression Molded, F50	45.0 hr	D-1693A
100% Igepal, Compression Molded, F50	35.0 hr	D-1693B
Melt Mass-Flow Rate MFR(230°C/2.16kg)	0.35g/10 min	D-1238
Tensile Strength, psi	3920	D-638
Tensile Elongation Break, Compression Molded (Type IV, 2.0 in/min)	600%	D-638
Flexural Modulus, 10 ⁵ psi	1.99	D-790
Brittleness Temperature, °F	-103	D-746