



# CT Polymers POLYETHYLENE

## CT-HDPEFM

### High Density Polyethylene

Description: **CT-HDPEFM is a high molecular weight, ethylene-hexene copolymer that is tailored for lightweight blow molded containers that require excellent stiffness, durability, and processability.**

Typical Uses:

- Ice chests and coolers
- Food packaging
- Household & industrial chemical containers
- Pharmaceuticals

Typical Properties	Nominal Values	ASTM Method
Melt Flow Rate (2.16 kg)	.30 g/10 min	D1238
Density	.955 g/cm <sup>3</sup>	D1505
Tensile Strength at Yield, 2 in/min, Type IV bar	4,100 psi	D638
Elongation at Break, 2 in/min, Type IV bar	500 %	D638
Flexural Modulus, Tangent - 16:1 span: depth, 0.5 in/min	185,000 psi	D790
ESCR, Condition B (100 % Igepal), F50	60 h	D1693
Brittleness Temperature, Type A, Type I specimen	< -103 °F	D746

**Applications: All material information, to CT Polymers knowledge, is believed to be correct. Some values may result from interpolation or correlation of other data. Testing methods are available when requested and are subject to change without notice unless otherwise agreed in writing.**