



# CT Polymers POLYETHYLENE

## CT-LDPE02

### Low Density Polyethylene 2 Melt

Description: **CT-LDPE02 is an autoclave homopolymer that is tailored for applications that require excellent flexibility, flow, durability, and warpage resistance.**

Typical Uses:

- Injection Molding
  - Healthcare product closures
- Champagne bottle stoppers
  - Charcoal lighter fluid closures

Typical Properties	Nominal Values	ASTM Method
Density	0.92 g/cm <sup>3</sup>	D1505
Melt Flow Rate	2 g/10 min	D1238
Tensile Strength at Yield, 2 in/min, Type IV bar	1,500 psi	D638
Elongation at Break, 2 in/min, Type IV bar	500 %	D638
Flexural Modulus, Tangent - 16:1 span:depth, 0.5 in/min	40,000 psi	D790
Durometer Hardness, Type D (Shore D)	50	D2240
Vicat Softening Temperature, Loading 1, Rate A	200 °F	D1525
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.**