



# CT Polymers Polyethylene

## CT-LLDPE05

### Linear Low Density Polyethylene 5 Melt

**Description:** CT-LLDPE05 is a linear low density polyethylene that is tailored for rotational molding of agricultural storage tanks, marine applications, and toys that feature low temperature impact resistance and high ESCR (stress crack resistance). CT-LLDPE05 has antioxidant and UV stabilizer additives. CT-LLDPE05 is available in 35 mesh powder. It is ideal for a wide range of general purpose applications, as it combines excellent processability, low warpage, and great aesthetics. It provides good color retention and finished part durability.

Typical Uses:

**- General Purpose**

Typical Properties	Nominal Values	ASTM Method
Melt Mass-Flow Rate (190°C/2.16kg)	5.0 g/10min	D1238
Density	0.935 g/cm <sup>3</sup>	D1505
Environmental Stress-Cracking Resistance (F50)	>1000 hr	D1693
Tensile Strength	17.2 MPa	D638
Tensile Elongation	12%	D638
Deflection Temp Under Load 0.45MPa Unannealed	57.8°C	D648

**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.