

LLDPE**LLDPE 7151U****LINEAR LOW DENSITY POLYETHYLENE (LLDPE)**

This linear low-density polyethylene rotomoulding grade is a white, nontoxic, tasteless and odorless resin supplied in pellet form. It offers excellent processability along with high tensile strength, toughness and thermal stability, plus good environmental stress crack resistance and low-temperature impact resistance with low warpage in finished parts.

Typical Application

- Large-sized outdoor toys
- Storage tanks
- Roadblocks and other rotationally moulded outdoor products

Product Characteristics

- Excellent processability for rotational moulding
- High tensile strength, toughness and thermal stability
- Good environmental stress crack resistance (ESCR)
- Good low-temperature impact resistance
- Low warpage in finished parts

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (190°C/2.16 kg)		5.1	g/10 min
Density		0.935	g/cm ³
Tensile Strength at Yield		≥15.5	MPa
Environmental Stress Cracking Resistance		≥150	h
Vicat Softening Point		117	°C

1. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.

2. Typical values per the producer's published family data table for the rotomoulding grade series; grade-specific certificate of analysis supplied per lot at order.