

LLDPE**LLDPE R3804U****LINEAR LOW-DENSITY POLYETHYLENE (LLDPE)**

This is a butene-comonomer linear low-density polyethylene (LLDPE) grade engineered for rotational moulding, offering higher stiffness within its melt-flow class than standard rotomoulding grades. It combines good thermal-oxidative stability for elevated-temperature service with ultraviolet stabilisation for prolonged outdoor exposure, while retaining the toughness and impact resistance typical of butene-comonomer LLDPE rotomoulding resins.

Typical Application

- Small and medium rotomoulded containers and barrels
- Outdoor leisure and recreational equipment
- General-purpose rotomoulded parts requiring high-temperature dimensional stability

Product Characteristics

- High stiffness for its melt-flow class, supporting thicker, more rigid rotomoulded wall sections
- Good thermal-oxidative stability suited to high-temperature service environments
- UV-stabilised for outdoor and prolonged sunlight exposure
- Nontoxic, tasteless, odourless white pellets typical of rotomoulding-grade LLDPE

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Mass-Flow Rate (190°C/2.16kg)	GB/T 3682.1-2018	4.0	g/10 min
Density	GB/T 1033.2-2010	~0.935	g/cm ³

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. Melt flow (4.0 g/10 min) is confirmed at the grade level from the producer's own product listing; density is typical of the producer's published rotomoulding LLDPE family (0.934-0.936 g/cm³) pending the grade-specific datasheet. Full per-grade technical data and a certificate of analysis are supplied with each order.