

Polyethylene Lumicene® M3427

Polyethylene Lumicene® M3427 is used for the manufacture of artificial grass yarn whose main application is artificial grass fields, primarily for sports purposes.



Lumicene® M3427 is a metallocene-catalyzed polyethylene based on TotalEnergies's proprietary catalyst technology. It provides artificial grass yarns with a lifetime at least 50% longer compared to artificial grass yarn made of octene-based linear low-density polyethylene that is considered the reference on the European market. The yarns increased longevity leads to an annual reduction of CO2 emissions and energy consumption over the lifetime.

The Environmental Performance

On the whole life cycle:



—■ **33 %** reduction in energy consumption



—■ **33 %** reduction in greenhouse gas emissions

EXTERNAL VERIFICATION

Independent auditor EY has verified that this product was labeled according to the method described in the TotalEnergies Ecosolutions Guidelines and that the guidelines comply with the principles set out in the ISO 14020 and 14021 standards which govern environmental claims and particularly their accuracy.

- **Label award date:** Décembre 2018 – Guidelines V5
- **Label term:** December 2023
- **Geographical scope:** Europe

Leveraging innovation to serve continuous improvement, the TotalEnergies Ecosolutions program involves developing products and services that enable our customers to improve their environmental footprint. For any question or to learn more about the TotalEnergies Ecosolutions program and the labeled products and services, go to: www.ecosolutions.totalenergies.com/en