



Technical Data Sheet

REVOLOOP™ 30-LL E Recycled Plastic Resin

Linear Low Density Polyethylene

Description

REVOLOOP™ 30-LL E Recycled Plastic Resin is a linear low-density rich polyethylene resin containing 30% recycled material. The resin is specifically designed for fiber spinning applications such as artificial turf yarns. REVOLOOP™ 30-LL E Recycled Plastic Resin is ideal for use in yarns for artificial turf as it has outstanding processability with good tenacity, elongation, and shrinkage properties.

Sustainability Attribute:



Main Characteristics

- Good tenacity, elongation, and shrinkage.
- Excellent processability



Complies With

- ISCC PLUS certification for mechanically recycled products.
- AENOR certification in accordance with Standard UNE-EN 15343:2008
- RECYCLASS Recycled Plastics Traceability Certification

Consult the regulations for complete details.

Properties¹

Physical	Nominal Value	Unit	Test Method ²
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Films³			
Film Thickness - Tested	25	µm	
Tensile Strength			ASTM D882
MD: Break, 50 µm	30.6	MPa	
TD: Break, 50 µm	22.2	MPa	
Tensile Elongation			ASTM D882
MD: Break, 50 µm	400	%	
TD: Break, 50 µm	630	%	
Elmendorf Tear Strength			ASTM D1922
MD: 50 µm	140	g	
TD: 50 µm	420	g	

1. Typical properties: these are not to be construed as specifications.
2. ASTM: American Society for Testing and Materials.
3. Cast film extruded at 250°C, 8.0 cm air gap, 0.5 mm die gap, 200 m/min.

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