



Technical Data Sheet

REVOLOOP™ 7316T Recycled Plastic Resin

Low Density Polyethylene

Description

REVOLOOP™ 7316T Recycled Plastic Resin is a low density rich recycled polyethylene resin with a fractional melt index especially designed for collation shrink film applications. This resin is formulated containing 70% post-consumer recycled plastics, specifically designed to be used on core layer of co-extruded films. This grade is not food contact compliant.

Sustainability Attribute:



Main Characteristics

- Good stiffness-toughness balance for core layer
- Good shrink performance



Complies with

- ISCC PLUS certification for mechanically recycled products.
- AENOR certification in accordance with Standard UNE-EN 15343:2008

Consult the regulations for complete details.

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ASTM ² D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Films³			
Film Thickness — Tested	50	µm	
Tensile Strength			ASTM D882
MD: Break, 50 µm	17.2	MPa	
TD: Break, 50 µm	18.4	MPa	
Tensile Elongation			ASTM D882
MD: Break, 50 µm	450	%	
TD: Break, 50 µm	630	%	
Dart Drop Impact (50 µm)	185	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD: 50 µm	260	g	
TD: 50 µm	860	g	

1. Typical properties: these are not to be construed as specifications.
 2. ASTM: American Society for Testing and Materials
 3. Blown film extruded at 220°C, 2.5 BUR, 1.5 mm die gap.



Properties (Cont.)

Optical	Nominal Value	Unit	Test Method
Haze ⁴ (50 μm)	7.0	%	ISO ⁵ 14782
Additional Information			
Coextruded film formulations available upon request			

4. Co-extruded film containing 100% REVOLoop™ 70-LD E in the core.
5. ISO: International Standardization Organization

