



Technical Data Sheet

REVOLOOP™ 70-LD E Recycled Plastic Resin

Low Density Polyethylene

Product Description

REVOLOOP™ 70-LD E Recycled Plastic Resin is a low density rich 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

- RECYCLASS Recycled Plastics Traceability Certification

Consult the regulations for complete details.

Properties¹

Physical	Nominal Value	Unit	Test Method ²
Density	0.925	g/cm ³	ASTM 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	
Optical			
Haze ⁴ (50 µm)	7.0	%	ISO 14782

1. Typical properties: these are not to be construed as specifications.
2. ASTM: American Society for Testing and Materials.
ISO: International Standardization Organization.
3. Blown film extruded at 220°C, 2.5 BUR, 1.5 mm die gap.
4. Co-extruded film containing 100% REVOLOOP™ 70-LD E Recycled Plastic Resin in the core.



Properties (Cont.)

Technical	Nominal Value	Unit	Test Method
LDPE content	>60	% LDPE	
Filtration level	80	μm	
Shape	Pellet		
Additional Information			
Coextruded film formulations available upon request			

