Technical Data Sheet

REVOLOOP™ 70-LL E Recycled Plastic Resin

Linear Low Density Polyethylene

Description

REVOLOOP™ 70-LL E Recycled Plastic Resin is a linear low-density rich polyethylene resin containing 70% recycled material especially design for cast stretch film applications. This resin is formulated containing post-consumer recycled plastics and is specifically designed to be used on core layer of co-extruded films. This grade is not food contact compliant.

Sustainability Attribute:

Renuva™ Recovered. Recycled. Renewed. with Dow

Main Characteristics

- High elongation
- Excellent tear and puncture resistance

Complies With

- RECYCLASS Recycled Plastics Traceability Certification

Consult the regulations for complete details.

Properties[1]

Physical	Nominal Value	Unit	Test Method[2]
Density	0.920	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Films[3]			
Film Thickness — Tested	50	µm	
Puncture Force, 50 µm	58	N	Internal Method
Puncture Resistance, 50 µm	8.6	J/cm³	Internal Method
Dart Drop Impact (50 µm)	240	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD: 50 µm	580	g	
TD: 50 µm	300	g	
Technical			
LDPE Content	< 20	% LDPE	
Filtration Level	80	µm	
Shape	Pellet		
Additional Information			
Coextruded film formulations available upon request			

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.

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