



Technical Data Sheet

REVOLOOP™ 7316.01T Recycled Plastic Resin

Low Density Polyethylene

Description

REVOLOOP™ 7316.01T Recycled Plastic Resin is a low density 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

Properties¹

Physical	Nominal Value	Unit	Test Method ²
Density	0.926	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Films³			
Film Thickness - Tested	50	µm	
Tensile Strength			ASTM D882
MD: Break, 50 µm	13.6	MPa	
TD: Break, 50 µm	15.0	MPa	
Tensile Elongation			ASTM D882
MD: Break, 50 µm	170	%	
TD: Break, 50 µm	630	%	
Dart Drop Impact (50 µm)	100	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD: 50 µm	220	g	
TD: 50 µm	490	g	
Optical			
Haze (50 µm)	31	%	ISO 14782
Technical			
LDPE Content	> 75	% LDPE	
Filtration Level	100	µm	
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
ISO: International Standardization Organization
3. Blown film extruded at 220°C, 2.5 BUR, 1.5 mm die gap.

