

# Recycl-IN rLL9930

## Recycl-IN

### DATA SHEET

#### Product Technical Information

**Recycl-IN rLL9930** is a natural hybrid polyethylene containing 32% of post-consumer recyclate.

#### Benefits & Features

**Recycl-IN rLL9930** is a ready-to-use hybrid polyethylene compound containing 32% of post-consumer recyclate (PCR) and supplied in a pellet form. The product is made from selected PCR materials and virgin polymers. **Recycl-IN rLL9930** contains over 80% of linear polyethylene.

This resin presents:

- / Good balance between stiffness and film strength
- / Good optical properties
- / Good processability

#### Applications

**Recycl-IN rLL9930** is a polyethylene grade especially developed for artificial grass yarn, including textured yarn

## Recycl-IN rLL9930



Properties	Conditions	Test Methods	Values	Units
<b>Physical</b>				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	3.0	g/10min
Density		ISO 1183-1 & ISO 17855-1	935	kg/m <sup>3</sup>
<b>Film(*)</b>				
Dart drop impact	Method A	ASTM D1709	50	g
Elmendorf tear strength	MD/TD	ISO 1184	30/ 40	g/25µm
Tensile stress @ break	MD/TD	ISO 1184	55	MPa
Elongation @ break	MD/TD	ISO 1184	600	%
1% Secant Modulus	MD/TD	ISO 1184	300	MPa
Haze		ASTM D1003	5	%
Gloss (45°)		ASTM D2457	80	%

Data should not be used for specification work

(\*) 20µm film, 150m/min line speed, 260°C melt temperature – MD = machine direction, TD = transverse direction

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## Processing Guidelines

**Recycl-IN rLL9930** in lean blends can be processed on most standard extrusion equipment. Optimization of conditions may be necessary, depending on the exact blend used. The recommended melt temperature range is 200 - 240°C.

## Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

## Disclaimer

Although **Recycl-IN™** compounds offer Polyethylene virgin-like characteristics, they contain high levels of mechanically recycled post-consumer waste and, therefore, are not free from any gel, black spot, or other impurities. INEOS O&P Europe is taking all possible measures to avoid or minimise the presence of these defects but cannot guarantee their total absence.

### REGULATORY INFORMATION

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website [www.ineos.com](http://www.ineos.com) where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical

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