INEOS Olefins & Polymers Europe

# Recycl-IN rLL9210

Recycl-IN

## Product Technical Information

Recycl-IN rLL9210 is a natural hybrid polyethylene containing 60% nsumer recyclat

## Benefits & Features

Recycl-IN rLL9210 is a ready-to-use hybrid polyethylene c taining 60% of po consumer recyclate (PCR)-and supplied in a pellet form. T made from selecte R materials and virgin resins. Recycl-IN rLL9210 contains a 85% of linear low d y polyethylene.

Recycl-IN rLL9210 is characterized by a mechanical st to those of virgin m terials, and it offers the following properties when extruded in

- Good stiffness/toughness balance
- Good gloss and transparency
- Superior bubble stability and extrudability
- Excellent blending compatibility with other LLDPE ades

## Applications

Recycl-IN rLL9210 has been developed for use in non- packaging applicati ns such as doypacks, liners, FFS bags, secondary packaging fi ch films.

Recycl-IN rLL9210 can be used pure or as a blending pa ther polyolefins. In a tion, Recycl-IN rLL9210 offers easy extrudability.

We recommend that you consult your INEOS technical rep for further advice o useof Recycl-IN rLL9210.

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| Properties | Conditions | Test Methods | alues | |
|---|---|---|---|---|
| **Rheological** | | | | |
| Melt Flow Rate | 190°C/2.16Kg | ISO 1133-1 | 1.3 | |
| **Physical** | | | | |
| Density ISO 1872-1 | 23°C | ISO 1 | 920 | kg/m³ |
| **Mechanical(*)** | | | | |
| Dart drop impact Method A | | AS | 140 | g |
| Tensile strength at Yield MD/TD | | | 10 / 10 | MPa |
| Tensile strength at break MD/TD | | | 30 / 25 | MPa |
| Tensile strain at break MD/TD | | | 510 / 650 | % |
| 1% Secant modulus MD/TD | | | 180 / 210 | MPa |
| Elmendorf tear strength MD/TD | | A | 200/ 560 | g/25µm |
| **Optical(*)** | | | | |
| Haze | 25µm | AS | 10 | % |
| Gloss | 45°C | ASTI | 60 | ‰ |

Data should not be used for specification work

(*) 25 µm blown film, 2.5:1 blow-up ratio, 210°C melt temperature - MD = m n, TD = transverse dire

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## Processing Guidelines

Recycl-IN rLL9210 in lean blends can be processed on most stand on equipment.
Optimisation of conditions may be necessary, depending on the used.

Recycl-IN rLL9210 rich film formulations are often processed LDPE machinery,
the best performance the use of purposely designed LLDPE recommended.
Particular attention should be paid to maintaining a low melt e, and an efficient
cooling system should be employed. The recommended m ure range is 190 - 2

## Storage

The product should be stored in a dry and dust free en emperature below 5 °C.
Exposure to direct sunlight should be avoided as this r oduct deterioration. It is advised
to process the product within maximum one year after