

# Recycl-IN rPP2030C



## DATA SHEET

### Product Technical information

**Recycl-IN rPP2030C** is a natural coloured, mechanically recycled, polypropylene random copolymer containing 70% of recycle. The grade is supplied as a homogeneous compound and can be used as a drop-in for virgin resins to produce clear articles via injection moulding.

**Recycl-IN rPP2030C** is developed to improve the sustainability of cosmetic packaging.

The recycled material contained in **Recycl-IN rPP2030C** is covered by an FDA NOL. It is certified as Post-Consumer Recyclate (PCR) by RecyClass and complies with the ISO 14021 definition.

### Benefits & Features

- / Reduced carbon footprint due to the 70% PCR-content
- / Fully homogeneous pellets without segregation risk
- / Virgin-like clarity and colourability

### Applications

- / Flip-top caps
- / Closures
- / Dosers & pumps

### 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

## Recycl-IN rPP2030C


**Recycl-IN**

| Properties                    | Conditions     | Test Methods  | Values | Units             |
|-------------------------------|----------------|---------------|--------|-------------------|
| <b>Physical</b>               |                |               |        |                   |
| Melt flow rate                | 230°C/2.16 kg  | ISO1133-1     | 32     | g/10min           |
| <b>Mechanical</b>             |                |               |        |                   |
| Flexural Modulus              | 23°C           | ISO178        | 1150   | MPa               |
| Izod impact strength, notched | 23°C           | ISO 180/A     | 4.0    | kJ/m <sup>2</sup> |
| Izod impact strength, notched | 0°C            | ISO 180/A     | 2.5    | kJ/m <sup>2</sup> |
| Tensile strength at yield     | 23°C           | ISO 527-1, -2 | 31     | MPa               |
| Elongation at yield           | 23°C           | ISO 527-1,-2  | 10     | %                 |
| Haze                          | Thickness 1 mm | ASTM D1003    | 7      | %                 |

Data should not be used for specification work

**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 sectors.

**HEALTH AND SAFETY INFORMATION**

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website [www.ineos.com](http://www.ineos.com). Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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