

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

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Properties	Conditions	Test Methods	Values	Units
Physical				
Melt flow rate	230°C/2.16 kg	ISO1133-1	32	g/10min
Mechanical				
Flexural Modulus	23°C	ISO178	1150	MPa
Izod impact strength, notched	23°C	ISO 180/A	4.0	kJ/m ²
Izod impact strength, notched	0°C	ISO 180/A	2.5	kJ/m ²
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