

Recycl-IN rPP1025C

Recycl-IN

Provisional DATA SHEET

Product Technical Information

Recycl-IN rPP1025C is a polypropylene homopolymer intended for injection-moulding applications (thin-walled injection) and fiber extrusion. This grade contains 70 % of recycled material, and is of natural colour.

Recycl-IN rPP1025C is developed to improve the sustainability of cosmetic packaging.

The recycled material contained in **Recycl-IN rPP1025C** 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
- / Good rigidity/impact compromise
- / Good fluidity/processability
- / Virgin-like colourability

Applications

- / Consumer product
- / Caps & closure
- / Household goods
- / Spunbond Nonwovens
- / Staple fibres

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/2.16Kg	ISO 1133-1	25	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1400	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	3	kJ/m ²
Tensile strength at yield	23°C	ISO 527-1,-2	35	MPa
Elongation at yield	23°C	ISO 527-1,-2	9	%
Haze	Thickness 1 mm	ASTM D1003	55	%
Thermal				
Melting Temperature	DSC 2 nd heating 10°C/min	ISO 11357-3	155	°C

Data should not be used for specification work