INEOS Olefins & Polymers Europe

Recycl-IN rPP2028

Recycl-IN

DATA SHEET

Product Technical Information

Recycl-IN rPP2028 is a natural coloured polypropylene copolymer containing 70% of Post-Consumer Recyclate (PCR). 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.

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
- Transparent thin wall injection-moulded articles

This grade is not suitable for food packaging or pharmaceutical and medical applications.

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-INTM compounds offer Polypropylene 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.

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Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	32	g/10min
Density	23°C	ISO 1183-1	904	kg/m^3
Mechanical				
Flexural Modulus	23°C	ISO 178	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

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 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. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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