

Polypropylene Impact Copolymer

Injection Molding & Compounding

Product Description:

PP-ICP 5300MN is a heterophasic natural coloured high flow and super impact resistance grade. The grade exhibits:

- Excellent processability.
- Very high Impact Strength.
- High Stiffness

Recommended Applications:

PP-ICP 5300MN is recommended for Injection Moulding & Compounding applications like:

- Automotive Components
- Appliances Components.
- Industrial Applications.
- Base resin for Compounding

Typical Properties:

Tested Properties	Test Method	UOM	Values*
Resin Properties			
Melt Flow Index (230°C & 2.16 Kg)	ASTM D 1238	gm/10 min	30
Mechanical Properties			
Tensile Strength @ Yield (50 mm/min)	ASTM D 638	MPa	20.0
Elongation @ Yield (50 mm/min)	ASTM D 638	%	8
Flexural Modulus (1.3 mm/min)	ASTM D 790	MPa	900
Notched Izod Impact Strength @ 23°C	ASTM D 256	J/m	500
Thermal Properties			
Heat Deflection Temperature (0.46 N/mm ²)	ASTM D 648	°C	88

* Typical values not to be construed as specification limits. Values may change without any prior notice.

* Mechanical properties tested on specimen molded as per ASTM D 4101 and conditioned as per ASTM D 618.

Recommended Processing Temperature: 180 – 230 °C

Packaging Information:

This material is packed and available in raffia bags with net content of 25.0 Kg only. The raffia bags used conforms to the minimum strength requirements of BIS, however, customer shall take due care while handling the bag. Prolonged exposure of these bags to sunlight may deteriorate the bag's performance and cause spillage and wastage. IOCL does not warranty loss of material due to poor material handling practices.

Regulatory Information:

PP-ICP 5300MN is not recommended for Food contact & Medical Applications.

Storage & Handling:

Prevent PP Material from direct exposure to sunlight & heat to avoid quality deterioration. The storage location should be dry, dust free and the Storage temperature should not exceed **50 °C**. Non - compliance to these precautionary measures can lead to degradation of the product causing Color changes, Odor & inadequate product performance. It is advised to process PP material within 06 months Provisional after delivery

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