

## TECHNICAL DATA SHEET

### EcoRepol™

#### **ECO CP5NAT** RECYCLED IMPACT COPOLYMER POLYPROPYLENE GENERAL PURPOSE INJECTION MOULDING GRADE

Eco CP5NAT is Natural Appearance Post Consumer Recycled impact co-polymer PP resin grade available in pellet form. Suitable for general purpose injection moulding.

#### Typical Characteristics:

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230°C/2.16 kg)	ASTM D1238	g/10 min	3 – 8
Density	ASTM D792	g/cc	0.90 – 0.95
Ash Content (550°C)	ASTM D5630	%	<5
Moisture Content	ASTM D6980	ppm	<2000
Tensile Strength at Yield**	ASTM D638	MPa	>20
Flexural Modulus (1% Secant)**	ASTM D790	MPa	>1000
Notched Izod Impact Strength**	ASTM D256	J/m	>90

\* Typical values not to be taken as specification

\*\* Mechanical Properties of injection moulded specimen

#### Applications:

For use as a Post Consumer Recycled resin to blend with virgin Impact co-polymer PP injection molding grade resin. Recommended for automotive and industrial applications.

#### Typical Process Conditions:

Injection Molding Temperatures: 190 – 230°C

Note: Processing parameters mentioned above are for reference only and not to be considered as specifications. They may vary based on the product to be manufactured.

**Note:**

- This is a recycled product and hence exact composition and properties may differ. The product is not recommended for use in food contact, drinking water, medical, pharmaceutical or similar applications requiring stringent regulations. The user of this material is solely responsible with regards to suitability of this product for intended application.

**Storage Recommendations:**

- Bags should be stored in dry & closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

**DISCLAIMER**

*performances when used in respective applications. The values given above are based on the analysis of representative samples and not the actual product supplied. It is the customer's responsibility to inspect and test RIL grades in order to satisfy itself as to the suitability of the products for particular application. The customer is solely responsible for all decisions regarding any use of material or product and any process in its area of interest. RIL assumes no obligation or liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of using any of the information or product given in this document. The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or international. The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorized agents, as the information and/or data is subject to change based on the research and development work undertaken by the company.*