

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.