

TECHNICAL DATA SHEET

EcoRepol™

ECO HPI0BLK

RECYCLED HOMO POLYPROPYLENE

GENERAL PURPOSE INJECTION MOULDING GRADE

Eco HPI0BLK is Black colored post-consumer recycled Homo-Polymer PP resin grade available in pellet form. Suitable for general purpose injection molding.

Typical Characteristics:

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230°C/2.16 kg)	ASTM D1238	g/10 min	8 – 16
Density	ASTM D792	g/cc	0.90 – 0.95
Moisture Content	ASTM D6980	ppm	<2000
Tensile Strength at Yield**	ASTM D638	MPa	>30
Flexural Modulus (1% Secant)**	ASTM D790A	MPa	>1400
Ash Content (550°C)	ASTM D5630	%	<5

* Typical values not to be taken as specification

** Mechanical Properties of Injection Molded Specimen

Applications:

For use as a Post Consumer Recycled resin for mixing with virgin homo polymer PP grade resin. Recommended for making houseware, furniture and straps.

Typical Process Conditions:

Extrusion 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.