

TECHNICAL DATA SHEET

EcoRelene™

ECO HD05GRN

RECYCLED HIGH DENSITY POLYETHYLENE GENERAL PURPOSE INJECTION MOULDING GRADE

Eco HD05GRN is Green colored post-consumer recycled HDPE resin grade available in pellet form. Suitable for injection moulding applications.

Typical Characteristics:

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (190°C/2.16 kg)	ASTM D1238	g/10 min	2 – 5
Density	ASTM D792	g/cc	0.95 – 0.97
Moisture	ASTM D6980	%	<0.2
Ash Content (550°C)	ASTM D5630	%	<5
Flexural Strength**	ASTM D790	MPa	>20

* Typical values not to be taken as specification

** Mechanical Properties are of compression moulded specimen

Applications:

For use as a Post Consumer Recycled resin to blend with virgin HDPE Injection Moulding grade resin. Recommended for making injection moulded household articles, crates, pallets, caps & closures.

Typical Process Conditions:

Injection moulding 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 post consumer 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.