

TECHNICAL DATA SHEET

EcoRelene™

ECO LD2NAT

RECYCLED LOW DENSITY POLYETHYLENE GENERAL PURPOSE FILM GRADE

Eco LD2NAT is Natural Appearance post-consumer recycled LDPE resin grade available in pellet form. Suitable for manufacturing general purpose films.

Typical Characteristics:

| Property | Test Method | Unit | Typical Value* |
|-------------------------------------|-------------|----------|----------------|
| Melt Flow Rate (190°C/5 kg) | ASTM D1238 | g/10 min | 0.7 – 2.0 |
| Density | ASTM D792 | g/cc | 0.92 – 0.95 |
| Moisture | ASTM D6980 | % | <2000 ppm |
| Tensile Strength at Break** (MD/TD) | ASTM D882 | MPa | >20/>20 |
| Elongation at Break** (MD/TD) | ASTM D882 | % | >300 / >300 |
| Ash Content (550°C) | ASTM D5630 | % | <3 |

* Typical values not to be taken as specification

** Mechanical Properties are of 40 µm film made with 1.8 mm die gap & 2.5 BUR

Applications

For use as a Post Consumer Recycled resin, recommended for mixing with virgin grade LDPE or LLDPE resin. Recommended for making liner, shrink film, courier bags, secondary packaging.

Typical Process Conditions:

Extrusion / Die 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

The information contained herein may include typical properties and processing parameters of the grade or its typical 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.