



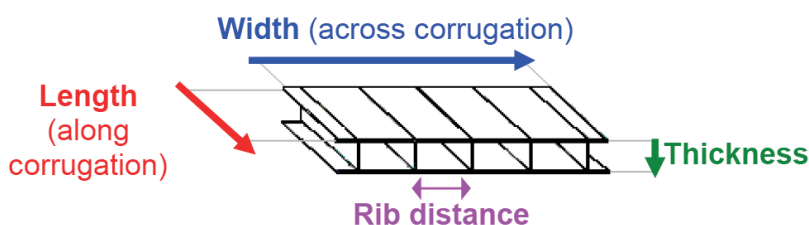
CorriGlen is manufactured from end-of-life polypropylene shipping layer pads. The layer pads themselves are already made from recycled pre-consumer waste (offcuts and trimmings of virgin polypropylene). CorriGlen is a fully recycled product that performs identically to other virgin corrugated polypropylene products on the market.

The signature white face and grey back is achieved by using a mixture of white, clear and coloured layer pad shipping waste. The clear and white pads are separated from the colours to achieve the colour split in a manufacturing process specifically designed to produce our CorriGlen fluted polypropylene sign board.

The data in this document is provided as a guide only and does not create any liability, warranty or guarantee of performance. Actual values may vary from the provided information and do not indicate specific limits. It is the buyer's responsibility to determine the suitability of the material for the end application.



Product Information



Dimensions of the sheet are expressed in mm, indicating: Length X Width X Thickness

Basic component: COPOLYMER POLYPROPYLENE (C₃H₆)_n(C₂H₄)_m

Polypropylene is a type of polymeric plastic that can withstand significant repeated exposure to normal environmental temperatures. The melting point of polypropylene is variable, ranging from approximately 129 to 170 °C although it will begin to lose strength around 80°C.

REACH REGULATION - Regulation (EC) 1907/2006 - concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) of December 18, 2006 and amendments:

Article 2 "Application" (point 9) - "The provisions of Titles II (Registration of substances) and VI (Evaluation) shall not apply to polymers".

Physical Properties

Tensile (@23.4°C)	ISO 527	MPa	24
Modulus Flexural (@23.4°C)	ISO 178	MPa	967
Notched Izod Impact (@23.4°C)	ISO 180	kJ/m ²	14

Please note this polymer is not approved for use in food, medical or toy applications. All grades are tested to ISO standards, and certified as ROHS and REACH compliant.



Recycling

CorriGlen polypropylene signs are made from a base material of a thermoplastic polyolefin which is 100% recyclable via thermo mechanical processes. The symbol associated to these products is 05 (PP), according to the dispositions of the Association of Plastic Industry (API). This means that CorriGlen signs, exclusively available from Glendining Signs, are a truly sustainable option made from 100% recycled content and are 100% recyclable after use.



Chemical Features

Polypropylene guarantees waterproof properties and resistance against the majority of alkaline products, salts solutions, solvents and heavy mineral acids at temperatures lower than 60°C.

Coefficient of thermal expansion: value included between 100 200 $\mu\text{m}/^{\circ}\text{C}/\text{m}$

Corona treatment: = 46 dyn/Cm on both sides of the sheet. Average duration of treatment 6 months under proper storage conditions (i.e. packaged sheets properly stocked in dry places)

Environmentally Specific Information

The material does not harm the environment but is not biologically degradable.

Disposal Considerations

The product must be disposed in accordance with the local authorities guidance and can be 100% recycled for re-use.

Transport Information

Not classified as hazardous under transport regulations.