TWINPLAST

CORRUGATED PLASTICS

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TECHNICAL DATA SHEET
SMARTER PACKAGING GRADES

INTRODUCTION: Twinplast board is an extruded board made from polypropylene granules along with additional components corresponding to the particular application.

CERTIFICATION: Twinplast board is manufactured to Quality Assurance Standard ISO9002 (Certificate 1351/97) and Environmental Standard ISO14001 (Certificate number 1351/97).

NOMENCLATURE: When expressing the size of a board, Twinplast always use the flute length as the first dimension preferably with an (f) for (flute) for clarity.

SIZES, THICKNESS AND BOARD WEIGHT: Twinplast can supply boards from 2mm to 10mm thickness with weights from 250gsm to 2000gsm.

ENVIRONMENT: Twinplast board is a CFC-free product. Twinplast is the first European manufacturer of corrugated plastic board to receive the ISO 14001 Environmental accreditation. Gross energy required to produce 1kg of polypropylene is 73MJ (equivalent to 10.88kg CO2) and the gross energy required to process 1kg of polypropylene into board is 3MJ (0.45 kg CO2) 

COMBUSTIBILTY: Polypropylene is a combustible thermoplastic material. The likely products of combustion are carbon monoxide, formaldehyde, acrolein, hydrocarbons and brominated products (in the case of flame retardant board). Please refer to the Material Safety Data Sheet.

FLAMMABILITY DATA on granules used in the manufacture of Twinplast board:

Minimum self ignition temperature ca 375 deg C
Minimum flash-ignition temperature ca 310 deg C
Limiting Oxygen Index 17.%
Softening temperature ca 144 deg C
Crystalline melting point ca 160 deg C

GENERAL: Please contact Twinplast for any further guidance on the use and application of Twinplast board. The information contained above is correct to the best of our knowledge. Users should establish for themselves before use that the material meets their requirements. Quoted test results cannot be used as specification limits but are typical test values intended for guidance. We accept no liability for any damage, injury, or loss resulting from this information.