

# MULFLUTE® Data Sheet

## Physical Properties

| PROPERTIES          | ASTM METHOD | UNIT                 | VALUE    |
|---------------------|-------------|----------------------|----------|
| <b>General</b>      |             |                      |          |
| Specific Gravity    | D-792       | g/cm <sup>3</sup>    | 0.905    |
| Water Absorption    | D-570       | % @ 24 hrs           | 0.02     |
| Light Transmission  | D-1003      | %                    | N/A      |
| Dielectric Strength | D-149       | Volts/Mil            | 500-600  |
| <b>Mechanical</b>   |             |                      |          |
| Notched Izod Impact | D-256       | J/m                  | 128      |
| Tensile Strength    | D-638       | MPa                  | 28       |
| Flexural Strength   | D.790       | -                    | 6.7      |
| Hardness Rockwell   | D-785       | Shore D              | 6.7      |
| <b>Thermal</b>      |             |                      |          |
| Cont. Working Temp. |             | °C                   | -26-112° |
| Vacforming Temp.    |             | °C                   | N/A°     |
| Thermal Expansion   | D-696       | 10 <sup>-5</sup> /°C | 10-15    |

## Fabrication

**General Cutting & Guillotining:** MULFLUTE is predominantly cut using conventional paper guillotining equipment. For improved edge finish, a sharp blade with low hold down pressure is recommended. MULFLUTE can also be die cut or scored into a variety of shapes using standard steel rule die cutting equipment. For smaller job runs or craftwork a sharp utility knife is also suitable.

**Decorating:** MULFLUTE is ideal for screen printing with most inks formulated for polypropylene. Solvent based and UV inks work exceptionally well, providing superior adhesion. MULFLUTE can also be printed using both letterpress and flexographic processes. Vinyl graphics can also be applied to using typical application methods.

**General Fabrication:** Utilising standard workshop tools, MULFLUTE can be drilled, stapled, nailed, hand punched, riveted, slit and glued. For bonding, the use of a double sided tape, silicone adhesives, hot melt glues and ultrasonic welding are all highly suitable.

*N.B. For sheet sizes, gauges and colours, refer to your price list, or contact your nearest Mulford Plastics Branch.*

*The information detailed in this Data Sheet, is provided in good faith and should only be used as a general guide. For further information on various processes and technical properties, contact your local Mulford Plastics branch*