

Flute Data Sheet

Physical Properties			
PROPERTIES	ASTM METHOD	UNIT	VALUE
General			
Specific Gravity	D-792	g/cm ³	0.905
Water Absorption	D-570 % @ 24 hrs	0.02	
Light Transmission	D-1003	%	N/A
Dielectric Strength	D-149	Volts/Mil	500-600
Mechanical			
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
Thermal			
Cont. Working Temp.	°C -26 - 112°		
Vacforming Temp.	°C N/A°		
Thermal Expansion	D-696	10 ⁻⁵ /°C	10-15

Fabrication

General Cutting & Guillotining: Flute is predominantly cut using conventional paper guillotining equipment. For improved edge finish, a sharp blade with low hold down pressure is recommended. Flute 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: Flute is ideal for screen printing with most inks formulated for polypropylene. Solvent based and UV inks work exceptionally well, providing superior adhesion. Flute 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, Flute 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.

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 Allplastics Pty Ltd.