

Corrugated Flute

Corrugated Flute is twin wall polypropylene sheeting designed for signage, displays, packaging, protection of surfaces and many other industrial applications.

It combines light weight with high strength, durability and impact resistance. It is also non-toxic as well as water and chemical-resistant, giving it a hygienic, weatherproof profile.

Corrugated Flute is 100% recyclable.

Key Properties		Units	Test Method
General			
Density	0.90 (0.03)	g/cm ³ (lb/in ³)	-
Density relative to water (=1)	0.90	-	ASTM D792
Water absorption (24 hrs)	0.02	%	ASTM D570
Thermal			
Continuous Service Temperature	115 (239)	°C (°F)	-
Minimum Service Temperature	-25 (-13)	°C (°F)	-
Linear Thermal Expansion	10 - 15	x10 ⁻⁵ / °C	ASTM D696
Mechanical			
Impact Strength, Notched Izod @ 23°C	127	J/m	ASTM D256
Flexural Strength	6.6	-	ASTM D790
Tensile Strength at Break	28	MPa	ASTM D638
Rockwell Hardness	6.7	Shore D	ASTM D785
Optical			
Light Transmission	None	-	ASTM D1003
Electrical			
Dielectric Strength	550	V/mm	ASTM D149

Notes

Figures shown are for panel thickness 3mm

DISCLAIMER: The purpose of this data sheet is to enable a consistent comparison with other products to help users to make an informed choice. The information provided in this product data sheet is for comparison and reference purposes only and is based on generic information gathered from a number of sources. In some cases the data provided is an average value only and represents our best attempt to describe the material's properties under typical factory conditions. We make no representations or warranties as to the completeness or accuracy of any of the data contained in this data sheet and users should use them as a general decision-making guide only. Branded data sheets are available on request. The information contained in this data sheet is subject to copyright. This data sheet cannot be reproduced for commercial purposes, apart from assisting users with making a purchasing decision, without the express permission of Plastic Wholesale.