

POLYFORM DATA SHEET

Polyform is a high performance corrugated polypropylene shuttering system combining the benefits of permanent formwork with protection against contaminated ground.

Standard Sheet Size 4500mm x 2000mm

Size		Tolerance
Thickness	7.5mm	± 0.2mm
Width	Untrimmed	+/- 1mm
Length	Untrimmed	+ 15.0mm
		- 0.00mm
Length	Trimmed	± 1.0mm
Max Off square across corners (Untrimmed)		15.0mm
Max Off square across corners (Hand Trimmed)		2.0mm
Weight	Untrimmed	12.15kg +/- 2%

Physical Properties	Method	Unit	Value
Density	ISO 1183	g/cm ³	0.9
Mechanical Properties			
Flexural modulus	ISO 178	N/mm ²	1350
Tensile strength yield	ISO R527	N/mm ²	27
Elongated at yield	ISO R527	%	8
Izod impact strength			
(notched at 23° C)	ISO 180	KJ/m ²	40
(notched at -20° C)	ISO180	KJ/m ²	8
Hardness Shore D	ISO 868	points	68
Thermal Properties			
Vicat softening point	ISO 306/A	° C	152
HDT (0.46Mpa)	ISO 75/B	° C	100

Weathering – Polyform requiring extended outdoor life must be UV stabilised. Assuming normal UK weather, stabilised Polyform will last from 5 to 7 years.

Fabrication – Polyform can be die cut, hot-air welded, ultra-sonically welded, glued and stapled.

Flame retardant – Polyform can be extruded with flame retardant additives to meet customers flame retardant requirements.

Polyform is based on Polypropylene copolymer. Various grades of sheet may contain traces of process residues and may also contain minor amounts of materials such as antioxidants, anti-static agents and UV additives. None of these are any risk to the user.

Polyform is chemically unreactive and is generally regarded as being biologically inert. There is no release of any noxious fumes from Polyform at ambient temperatures.

Polyform is not considered to be skin sensitive, but when cut, can have sharp edges. Users of the product are advised to wear protective gloves.

Should any Polyform sheets catch fire, powder extinguishers are recommended to quench flames.

England & Wales

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