

# PVC - PVC Rigid

## Standard Sheet

Black	
Size (mm)	Size (mm)
2000 x 1000 x 2	2000 x 1000 x 3

Blue*	
Size (mm)	Size (mm)
2000 x 1000 x 1	2000 x 1000 x 2
* Subject to minimum mill order	

Fixing Bars	
White PVC	
2440 Long Division	
Bar H Section	
2440 Long Internal Corner	
2440 Long Capping Strip	
2440 Long External Corner	
2440 Long Angle	

Green*	
Size (mm)	Size (mm)
2000 x 1000 x 2	2000 x 1000 x 3
* Subject to minimum mill order	

Hygienic Wall Cladding	
White Standard Marvec	
Size (mm)	Size (mm)
2440 x 1220 x 2.5	3050 x 1220 x 2.5
White Marvec Bio	
2440 x 1220 x 2.5	3050 x 1220 x 2.5
Please refer to our Hygienic Wall Cladding brochure for full details	

Red	
Size (mm)	Size (mm)
2000 x 1000 x 2	2000 x 1000 x 3

White	
Size (mm)	Size (mm)
2000 x 1000 x 1	2000 x 1000 x 2
2000 x 1000 x 3	2440 x 1220 x 1
2440 x 1220 x 2	2440 x 1220 x 2.5
2440 x 1220 x 3	2440 x 1220 x 6

## Yellow

## Properties

Electrical Properties					
Property	Test Method	Unit	Value		
Dielectric constant E (at 1kHz)	VDE 0303 T4	-	3.4		
Dielectric dissipation factor tan (at 1kHz)	VDE 0303 T4	-	0.016		
Surface resistance	DIN VDE 0303 T30/DIN IEC 93	Ω	>10 <sup>15</sup>		
Volume resistivity	DIN VDE 0303 T30/DIN IEC 93	Ω.m	>10 <sup>14</sup>		
Dielectric strength	DIN VDE 0303 T21 1.0mm sheet	KV/mm	>=27		
Tracking resistance	DIN IEC 112	Grade	CTI 600		
Arc resistance	DIN VDE 0303 T5	Ident No	2.2.2.2		

Mechanical Properties				
Property	Test Method	Unit	Value	
Apparent Density	DIN 53479/ISO 1183	g/cm <sup>3</sup>	1.43	
Tensile Strength at Yield	DIN 53455/ISO 527	MPa	>=48	
Elongation at Tear	DIN 53455/ISO 527	%	>=20	
Flexural Strength	DIN 53452/ISO 178	MPa	>=75	
Compressive Strength	DIN 53454/ISO 3605	MPa	>=65	
Modulus of Elasticity	DIN 5 4576/ISO 527-2/1A/50	MPa	>=2500	
Notched Impact Strength	DIN 53453/ISO 179-1ePA	kJ/m <sup>2</sup>	>=6	
Impact Strength at:	DIN 53453/ISO 179	kJ/m <sup>2</sup>		
0°C			no failure	
-20°C			no failure	
-30°C			no failure	
-40°C			-	
Ball Indentation Hardness (358 N/30s)	DIN 53456/ISO 2039	MPa	90	
Shore Hardness D	DIN 53505		80	

Other Properties				
Property	Test Method	Unit	Value	
Water Absorption after 7 days	DIN 53495	%	<0.08	
Fire Behaviour	DIN 4102 - B 1		1-2mm	
	NFP 92-501/M1 (F)		1-2mm	
	UL 94 (USA) File E100599		>=1mm	
Fire characteristic (CH) 5.2			-	
	CSE/RF2/75 A(I) EG/VO 1935/2004	Class 1	1-3mm	

Generally

<b>Size (mm)</b>	<b>Size (mm)</b>	Physiological Evaluation	recognised as safe
2000 x 1000 x 2	2000 x 1000 x 3		

### Thermal Properties

Property	Test Method	Unit	Value
Vicat Softening Temperature	DIN 53460/ISO 306 (process B50)	°C	>=72
Deflection Temperature	DIN 53461/ISO 75	°C	66
Co-efficient of Linear Expansion from -30°C to +50°C	DIN 53752 (process Ae)	mm/mK	0.08
Thermal Conductivity from 0°C to +60°C	DIN 52612	W/mK	0.16

## Disclaimer

This data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

The information provided in this datasheet has been drawn from various recognised sources, including EN Standards, recognised industry references (printed & online) and manufacturers' data. No guarantee is given that the information is from the latest issue of those sources or about the accuracy of those sources.

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