



## Technical data sheet

### ISOFORM HEAWY218 2F50

#### Key benefits

Flexible and high mass  
Easily cut in different shapes  
Both side 50 g textile for easy gluing

#### General application

Sound insulation

	Test method	Unit	Value
<b>General properties</b>			
Density	DIN 53479	g/cm <sup>3</sup>	2
Filler content		%	75
<b>Mechanical Properties</b>			
Tensile modulus	ISO 527	MPa	150
Tensile strength	ISO 527	MPa	5
Elongation at break	ISO 527	%	>5
Flexural modulus	ISO 178	MPa	
Charpy notched impact strength at 23°C	ISO 179	kJ/m <sup>2</sup>	
Charpy unnotched impact strength at 23°C	ISO 179	kJ/m <sup>2</sup>	N.B.
Hardness	ISO 868	Shore A	95
<b>Thermal properties</b>			
Melting temperature	ISO 3146	°C	
Vicat softening temperature - A50	ISO 306/A120	°C	
Vicat softening temperature - B50	ISO 306/B50	°C	
Heat deflection temperature B (0.45 MPa)	ISO 75B	°C	
Heat deflection temperature A (1.80 MPa)	ISO 75A	°C	
Cold resistance (-30 C for 2 hours) bending at angle 180 over tube Φ100mm			free of crack
Service temperature (long term)		°C	
<b>Other properties</b>			
Surface resistivity	LabeOHM	Ω	>10 <sup>14</sup>
Water absorption	24h/RT	%	<0,1
Flammability	STD 232	mm/min	<30
Sound reduction index (Rw)	ISO 140-3	dB	26 (thickness 2 mm)

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