



Technical data sheet

ISOPHON 80

Key benefits

Flexible and high mass
Easily cut in different shapes
Sheet and roll form up to 5 mm

General application

Sound insulation
Sealing

	Test method	Unit	Value
General properties			
Density	DIN 53479	g/cm ³	2.5
Filler content		%	80
Mechanical Properties			
Tensile modulus	ISO 527	MPa	250
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 ²	
Charpy unnotched impact strength at 23°C	ISO 179	kJ/m ²	
Hardness	ISO 868	Shore A/D	97/48
Thermal properties			
Melting temperature	ISO 3146	°C	
Vicat softening temperature - A50	ISO 306/A120	°C	53
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	
Other properties			
Surface resistivity	LabeOHM	Ω	>10 ¹⁴
Water absorption	24h/RT	%	<0,1
Flammability	EN13501-1		Class E-d0
Sound reduction index (Rw)	ISO 140-3	dB	26 (thickness 2 mm)

The information data contained herein is believed to be reliable to the best of our knowledge but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained therefrom, and it is the end user responsibility to make its own determination of the product suitability for the intended applications.