

## ISOFORM ISOPHON 80

**IF ISOPHON 80 is an extruded heavy sheet based on thermoplastic polymer matrix and mineral filler. It is suitable for improving sound insulation applications, because of its good flexibility and high mass. It can be easily cut in different shapes and when combined with other materials it improves sound insulation performance.**

	Norm	Value	Unit
Thickness		1-5	mm
Density	DIN 53420	2,5	g/cm <sup>3</sup>
Weight per unit area		2,5-12,5	kg/m <sup>2</sup>
Filler part		80	%
Hardness (Shore A/D)	DIN 53505	97/48	
Tensile E modul	ISO 527-1	272	MPa
Tensile strength at yield	ISO 527-1	5,1	MPa
Elongation at yield	ISO 527-1	10	%
Vicat Softening Temperature (A/120)	DIN 53460	53,8	°C
Cold resistance (-30°C for 2 hours) Bending at angle 1800 over tube Φ100mm		free of crack	
Flammability	UL 94	HB	
	EN 13501-1	Class E-d0	
Sound reduction index (Rw)	ISO 140-3	26 (thickness 2 mm)	dB

The information in this data sheet represents typical values obtained in our laboratory and should not be used as a specification.

*Die Angaben im vorliegenden technischen Datenblatt präsentieren typische Werte, die wir in unserem Laboratorium erforscht haben und sind nicht als technische Einzelheiten zu nutzen.*

