

Technical data sheet

ISOPHON 60

Key benefits

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

General application

Sound insulation
Sealing

	Test method	Unit	Value
General properties			
Density	DIN 53479	g/cm ³	1,8
Filler content		%	60
Mechanical Properties			
Tensile modulus	ISO 527	MPa	80
Tensile strength	ISO 527	MPa	8
Elongation at break	ISO 527	%	>50
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 D	36
Thermal properties			
Melting temperature	ISO 3146	°C	
Vicat softening temperature - A50	ISO 306/A120	°C	47
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		
Sound reduction index (Rw)	ISO 140-3	dB	

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