

Technical Data Sheet

A-BX 78-83

- Grey insulating mat NR / SBR (natural-rubber / styrene-butadiene rubber) attested VDE 0303-21
- Surface fluted, rear side fabric structure
- Electrical strength up to 14,4 kV/mm (> 50 kV/4mm)
- Self-extinguishing according to FMVSS 302 > 3 mm thickness
- Non staining to varnishes
- Nitrosamine free

Technical Data

Polymer	DIN ISO 1629		NR / SBR
Colour			light grey
Temperature resistance heat		[°C]	+ 70
Temperature resistance cold		[°C]	- 55
Shore hardness A	DIN 53 505 ISO 7619		78 ± 5
Density	DIN EN ISO 1183 ISO 2781	[g/cm ³]	1.71 ± 0.02
Tensile strength	DIN 53 504 ISO 37	[N/mm ²]	approx. 3.5
Elongation at break	DIN 53 504 ISO 37	[%]	approx. 250
Compression set 24 h / 70 °C	DIN 53 517 ISO 815	[%]	approx. 38.0
Ozone resistance 50 pphm, 40 °C, 72 h, 20 % elongation	ISO 1431-1		non resistant
Special volume resistance	DIN IEC 60093		insulating



















Applications

Protective mat for control cabins, control rooms, control panels and transformer stations

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Resistances

 heat resistance	 cold flexibility	 weather/ozone	 light	 tensile strength	 impact resilience
 abrasion resistance	 fuel resistance	 diesel resistance	 drinking water quality	 water at 100°	 fire resistance
 oil resistance	 bases resistance	 acid resistance	 gas permeability	 antistatic	 plexiglass compatibility

Delivery forms

The material is available in rolls.

- Length	max 10 m
- Width	1,000 mm 1,200 mm
- Thickness	4.5 mm

Other sizes and cut-to-size pieces upon request.

The technical data (average values) as well as material information are based on our present knowledge and experiences. They free the user because of the fullness of possible influences by the application of our products, however, not from own tests and attempts in the approach of the real application. Because of the peculiarities of every individual case we can take over no liability for our indications. On request we are available gladly with information.