

BORNUMHARZ 6101

TM BOHA 6101 -09/12 e

Graphite filled, phenolic resin based lining material

Technical Data Sheet

General description:

BORNUMHARZ 6101 is a graphite filled, phenolic resin based lining material. BORNUMHARZ 6101 is electrically conductive.

Main areas of application:

Acid plants containing solvents, media in plants in explosive zones, treatment of leakage water of waste deposits. Temperature range 0 °C up to + 120 °C (depending on chemical service conditions).

Resistance:

Only resistant to alkalines $\text{pH} < 9$
good resistance to acids (exceptions: oxidizing acids), limited resistance to oxidizing agents at lower concentrations, limited resistance to oils and greases, very good resistance to solvents.

Physical load:

It is not permitted to exceed the temperature change speeds by more than 2 K/min.

Physical Data

Material Properties	Unit	Value	Technical Standard
Hardness	N/mm ²	150 ± 20	DIN 53456
Specific weight	g/cm ³	1,76 ± 0,02	DIN 53479
Tensile strength	N/mm ²	> 30	DIN 53504
Elongation at break	%	> 0,1	DIN 53504
Resin-metal-adhesion test	N/mm ²	> 6	ASTM D 429 (A)
Testing Voltage	High voltage test is not applicable		

The technical data contained herein represents the current state of our product knowledge and is intended to furnish general information regarding our products and their application spectrum. In view of the diversity and multitude of application possibilities, this data should be regarded solely as general information, which does not guarantee any specific properties and/or suitability of these products for each concretely case of application. Consequently, when ordering a product, please contact us for detailed information relative to the properties required for a specific application. Our technical service will, upon request, furnish a profile of characteristics for the concretely application without delay.

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