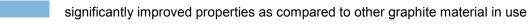
Material Properties GAB GPX Synthetic Resin-Impregnated Graphite

Works Standard

| | | GAB Neumann | | |
|--|--------------------|-------------------------|-------------------------|-------------------------|
| | | GPX1 | GPX1T | GPX2 |
| | | | | |
| Density | g/cm³ | 1,9±0,02 | 1,9±0,02 | 1,9±0,02 |
| | | | | |
| Max. grain size | mm | 0,8 | 0,8 | 0,8 |
| Resin content 1) | % | ≤22 | ≤22 | ≤15 |
| Permeability | cm²/s | 10 ⁻⁶ | 10 ⁻⁶ | 10 ⁻⁶ |
| | | | | |
| Tensile strength (at 20°C) | N/mm² | ≥18 | ≥18 | ≥20 |
| Flexural strength (at 20°C) | N/mm² | ≥32 | ≥32 | ≥35 |
| Compressive strength (at 20°C) | N/mm² | 60-80 | 60-80 | 60-80 |
| | | 0.40 0.4002) | 0.40 0.0002) | 222 2 222 |
| Identification according AD 2000 Merkblatt | | G18-0-180 ²⁷ | G18-0-200 ²⁷ | G20-0-200 ²⁾ |
| GXX (tensile strength at 20°C) | N/mm² | 18 | 18 | 20 |
| GXX (drop in strength per +10K) | ‰ | 0 | 0 | 0 |
| GXX (max. admissible temperature) | °C | 180 | 200 | 200 |
| 11442-2-2-2-2-2-2-2-2-2-2-2-2-2-2 | \A/// ₂ | . 400 | . 400 | N450 |
| Heat conductivity | W/(m×K) | ≥120 | ≥120 | ≥150 |



¹⁾ equal to open porosity of non-impregnated graphite



²⁾ material certification by TUV in accordance with AD 2000 Merkblatt