

Technical Data Sheet Technisches Datenblatt

ProGraphite Graphite Foil (standard grades) ProGraphite Graphit Folien (Standard Sorten)

| Type | Type | | 0,2 mm | 0,5 mm | 1 mm | 2 mm |
|-----------------------|------------------------|-------------------|---------|---------|---------|---------|
| ProGraphite ID | ProGraphite ID | | PG1500 | PG1501 | PG1502 | PG1530 |
| Thickness | Dicke | mm | 0,2 | 0,5 | 1 | 2 |
| Density | Dichte | g/cm ³ | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 |
| Carbon content | Kohlenstoffgehalt | % | > 99 | > 99 | > 99 | > 99 |
| Ash | Aschegehalt | % | < 1 | < 1 | < 1 | < 1 |
| S-content | Schwefelgehalt | ppm | < 2000 | < 2000 | < 2000 | < 2000 |
| Volatile matters | Flüchtige Bestandteile | % | < 1 | < 1 | < 1 | < 1 |
| Tensile strength | Zugfestigkeit | MPa | > 4 | > 4 | > 4 | > 4 |
| Operating temperature | Betriebstemperatur | | | | | |
| - in air | - in Luft | °C | <450 | <450 | <450 | <450 |
| - without oxygen | - ohne Sauerstoff | °C | <3000 | <3000 | <3000 | <3000 |
| Thermal conductivity | Wärmeleitfähigkeit | | | | | |
| - in plane (Z) | - senkrecht (Z) | W/mK | ca. 5 | ca. 5 | ca. 5 | ca. 5 |
| - parallel (X-Y) | - parallel (X-Y) | W/mK | ca. 140 | ca. 140 | ca. 140 | ca. 140 |

Authorized signature



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