

PG-P Graphite Grades

Description:

PG-P range of graphite tapes used in the production of graphite seals such as SWG, Kammprofile and corrugated gaskets, and braided packings and rings for stuffing boxes.

Properties:

- ✓ Temperature Range From – 195°C Up To 450°C
- ✓ Compliance to MESG 85/203 and EN 14772 (C Grade);
- ✓ High Purity: >99.5 % or >99.85 % of Carbon Content;
- ✓ No Corrosion;
- ✓ Low Sulphur Content;
- ✓ No Aging Effect – Suitable For Long Term Applications;
- ✓ High Tensile Strength Grade (5.0 MPa) For High-Volume Production;

Typical Physical Properties:

Parameter	Grade B Industrial	Grade G High-Purity	Grade D Nuclear	Grade C Anti-Oxidisation Anti-Corrosion
Carbon - %	>98.0	>99.5	>99.85	>98.0 (99.5*)
Ash - %	<2.0	<0.5	<0.15	<2.0
Sulphur - ppm	<200	<100	<50	<100
Chlorine**- ppm	<100	<50	<10	<50
Fluorine **- ppm	<10	<10	<10	<10
Total Halogens (Cl+F+Br) ** ppm	<200	<200	<100	<200
Tensile Strength - MPa	>3.5	>4.0	>5.0	>5.0
Compressibility %	>35	>35	>45	>45
Recoverability %	>7	>7	>8	>8
Oxidisation & Corrosion Inhibitor	-	-	-	Yes
Weight Loss (670°C) %/h	-	-	-	<4
Compliance To Special Requirements	-	BAM ASTM F2168 Class 2 (B)	PMUC norms; GS RC PVE 011; BAM; ASTM F2168 Class 2 (B)	MESG 85/203; EN 14772 ASTM F2168 Class 2 (A)

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