

MATERIAL TEST REPORT (MTR) — PEEK ROD

REF: DTE-MTR-PEEK-01

Product Description

Polyetheretherketone (PEEK) Extruded Rod

Quality & Compliance

ISO 9001 | ISO 14001 | ISO 45001 - www.diode.sa

Properties	Test Method	Units	Specification	Result	Status
Colour	TS-HB	—	Uniform	Pass	OK
Density	ISO 1183-1	g/cm ³	1.31 ± 0.05	1.32	OK
Tensile Strength	ISO 527	MPa	≥ 85	92	OK
Flexural Strength	ISO 178	MPa	≥ 140	145	OK
Impact Strength	ISO 179	kJ/m ²	≥ 5.5	5.5	OK
Shore Hardness	ISO 868	—	≥ 80	86–88	OK
Temperature Resistance	ISO 868	°C	Low -35	High 280	OK
Melt Index	ISO 1133 (380°C / 5kg)	g/10min	8 – 12	10.6	OK

Quality Control Department:

Diode Trading Est. Stamp:

Inspected & Verified By

Authorized Signature