

High Performance Polymers

Rods and Tubes

PEEK (Polyetheretherketone)

Permanent temperature resistance up to 240°C

Extruded, compression moulded, injection moulded, roto moulded

Natural and compounds (carbon fiber, glass fiber, PTFE, graphite, friction grade 10-10-10, etc.)

RoHS, FDA, EU 10/2011, WEEE

Dexnyl® is our registered brand name



Rods OD 6-300mm



Tubes OD 10-3000mm

PI (Polyimide)

Thermosetting (PI-s)

Permanent temperature resistance above 350°C

Natural, modified, self lubricating, ESD, enhanced wear and plasma resistance grades with a short temperature resistance up to 500°C

Direct forming, HCM and Isostatic tubes

Rod OD from 6-83mm

Meldin®, Vespel®, Plavis®S and other PI materials

Thermoplastic (TPI)

Highest heat resistance amongst Thermoplastics (Tg 245°C)

Excellent elasticity properties at high and low temperatures

Natural and Compounds (Carbon Fiber, Glass Fiber, PTFE, PEEK, graphite, Friction grade 10-10-10, etc.)

Rods OD: 6-60mm

Tubes OD: 10-100mm



High Performance Polymers

Rods and Tubes

PAI (Polyamide-imide)

Permanent temperature resistance up to 270°C

Excellent abrasion and impact resistance for extended periods

Natural, modified and special bearing grades



Rod OD 3-250mm and tubes OD up to 100mm

PBI (Polybenzimidazole)

Ultra high performance polymer with temperature resistance >500°C

Natural and reinforced grades for semi-conductor and aerospace applications

Also available as PBI-PEEK thermoplastic alloys



Sizes starting from 6mm

PEI (Polyetherimide)

Permanent temperature resistance up to 170°C

Stable electrical properties over wide ranges of temperature and frequency

Natural and compounds (friction grade, carbon fiber, glass fiber)



Sizes starting from 6mm

