

Graphite

**SP3010 Hot-pressed graphite**

Hot-pressed graphite is made from the mixture of high-purity graphite powder, resin and other additives, which are hot pressed and solidified in mould. It is widely applied in clear water medium, in water seal devices of automobiles, small pumps, household electrical equipment, etc.

Specifications:

Density	1.65g/cm ³
Hardness	≥55 (HS)
Compression strength	≥135Mpa
Bend strength	50Mpa

SP3020 Carbon-graphite

Carbon-graphite has the advantages of good resistance to corrosion, wear and high temperature, good self-lubricity and heat conductivity, low friction factor and expansion coefficient. It is the ideal friction material used in various mechanical seals.

Specifications:

Material		Density	Bending strength	Compression strength	Hardness	Porosity
Epoxy resin impregnated (H)	M106H	1.75g/cm ³	65Mpa	200Mpa	85 (HS)	2.5%
	M120H	1.70g/cm ³	60Mpa	180Mpa	80 (HS)	2.5%
	M205H	1.70g/cm ³	60Mpa	200Mpa	70 (HS)	2.5%
	M252H	1.72g/cm ³	45Mpa	120Mpa	45 (HS)	2.5%
Furan resin impregnated (K)	M106K	1.75g/cm ³	67Mpa	200Mpa	90 (HS)	2.0%
	M120K	1.70g/cm ³	62Mpa	180Mpa	85 (HS)	2.0%
	M205K	1.70g/cm ³	62Mpa	180Mpa	75 (HS)	2.0%
	M252K	1.72g/cm ³	47Mpa	120Mpa	48 (HS)	2.0%
	KC170	1.82g/cm ³	68Mpa	200Mpa	80 (HS)	2.0%
Phenol aldehyde resin impregnated (F)	M106F	1.75g/cm ³	60Mpa	200Mpa	85 (HS)	2.0%
	M120F	1.70g/cm ³	55Mpa	180Mpa	80 (HS)	2.0%
	M205F	1.70g/cm ³	55Mpa	200Mpa	70 (HS)	2.0%
	M252F	1.72g/cm ³	40Mpa	120Mpa	45 (HS)	2.0%
	KC573	1.85g/cm ³	85Mpa	370Mpa	110 (HS)	2.0%
	KC673	1.87g/cm ³	78Mpa	245Mpa	87 (HS)	2.0%
Antimony impregnated (D)	M104D	2.25g/cm ³	99Mpa	340Mpa	90 (HS)	0.57%