

Carbon

Carbon has the good property of good resistant–corrosion, high thermal conductivity and lower friction, good self–lubrication, the smaller expansion. They can be made into the seal faces, bearings and so on. It is ideal to choose it as the frictional mating rings.



■ HengMi Model seal Components Series

Graphite chemical property								
Category	Model	Density (g/cm ³)	Fractural Strength (Mpa)	Compressive Strength (Mpa)	Shaw Hardness (HS)	Porosity (%)	Temperatures (°C)	
Carbon–graphite	Impregnated Epoxy Resin(B1)	M106H	1.75	65	200	85	< 1	250
		M120H	1.7	60	180	80	< 1	250
	Impregnated Furan Resin(B)	M106K	1.75	67	200	90	< 1	250
		M120H	1.7	62	180	85	< 1	250
	Impregnated Phenol Aldehyde Resin(B2)	M106F	1.75	60	200	85	< 1	250
		M120F	1.7	55	180	80	< 1	250
	Antimony Carbon(A)	M106D	2.3	65	220	90	< 1.5	400
		M120D	2.3	60	220	90	< 1.5	400
		M254D	2.3	55	210	65	< 1.5	450