

Silicon Carbide

They have the property of excellent resistant–corrosion,high mechanical strength,high thermal conductivity,good seif–lubrication,usde as seal faces,bearings and tubes in pacecraft,machinery, metallurgy,printing and dyeing,foodstuff,auto industry industry,phamaceutical and so on.When the sic faces are combined with graphite faces the friction is the smallest and they can be made into mechanical seals which are able to work in highest working requirements.



■ HengMi Model Components Series

SiC physical property			
Technical Parameter	Unit	SiC	SSiC
Hardness	HS	≥ 110	≥ 115
Porosity Rate	%	< 0.3	< 0.2
Density	g/cm ³	3.00 ~ 3.05	3.10
Con pressive Strength	Mpa	> 2200	> 2500
Fractural Strength	Mpa	> 350	> 380
Coefficient of Heat Expansion	10 ⁻⁶ /oC	4	4.2