

Technical data of graphite products



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Size	Model	Compressive Strength MPa ≥	Flexural Strength MPa ≥	Shore Hardness ≥	Density g/cm ³ ≥	Porosity Ratio % ≤	Temperature ≤
Carbon graphite	M103	100	35	62	1.55	19	350
	M161	80	32	50	1.56	20	
Electro graphite	M202	60	25	40	16.0	21	400

	M203	60	25	40	1.65		
	M205	80	28	55	1.60		
	M216	50	25	38	1.60	20	450
	M1224	70	30	40	1.70	12	
Phenolic Resin-Impregnated Graphite	M161F	135	55	65	1.80	2.5	180
	M201F	85	38	45	1.82		
	M202F	100	45	48			
	M216F	100	45	50			
	M205F	140	55	70	1.80		
	M214F	200	70	72	1.75		
	M218F	160	60	80	1.80	2.0	
Furan Resin-Impregnated Graphite	M103K	190	65	85	1.75	2.5	200
	M161K	140	56	65	1.80	3.0	
	M202K	102	45	50	1.83	2.00	
	M206K	105	49	51	1.85		
	M205K	152	55	76	1.80		
	M214K	210	72	75	1.78		
	M218K	170	62	85	1.80		
Epoxy Resin-Impregnated Graphite	M103H	185	66	82	1.75	2.5	200
	M106	140	56	65	1.80		
	M203H	100	50	50	1.85		
	M205H	145	55	76	1.82		

Babbit Alloy Impregnated Graphite	M103B	225	75	75	2.40	3.5	200
	M201B	80	35	40			
	M202B	90	40	45			
	M203B	100	45	45	2.50		
	M205B	160	60	65			
Copper Alloy Impregnated Graphite	M202A	150	52	55	2.10	2.0	400
	M205A	260	85	75	2.00		
Aluminium Alloy Impregnated Graphite	M202C	120	50	56	2.60	3.0	400
	M205C	170	56	70	2.50		
	M218C	185	65	85			
Antimony Alloy Impregnated Graphite	M103D	230	75	80	2.20	5.0	350
	M203D	102	40	50	2.30		400
	M205D	170	60	70	2.20		
Inorganic salt Impregnated Graphite	M224W	90	35	50	1.86	2.0	550
	M205D	115	32	62	1.85		
Resin Carbon Graphite	M301	—	55	50	1.75	1.0	220
	M369	80	—	30	1.80		

Note : 1. The Porosity Ratio is not considered when impregnated graphite is used as non seal products. 2. If you have any requirements in anti-seepage, we may have a compression resistance test. The Porosity Ratio would not be tested in products which have a compression resistance test.