Seal Material - Carbon Graphite

Technical Features :

Carbon Graphite is the seal Material with the advantages of excellent corrosion resistance , self - lubricity, high coefficient of heat conductivity, low friction factor, so it is the idea frictional secondary materials used in various mechanical seal type.

Carbon – Graphite Main Function Index

Type, model vs . Technical

• • • • Model	• • • • Volume Density (g/cm^3)	• • • • Bending Strength Mpa	• • • • Compression Strength Mpa	• • • • Shaw Hardness HS	• • • • Porosity %	• • • • Coefficient of Heat Expansion (10^{-6}/•)	• • • • Temperature • •
Carbon - Graphite							
M122	1.55	30	85	65	15	4.0	350
M104	1.60	38	90	70	10	4.0	350
M237	1.70	35	75	40	15	3.0	400
The dipping Resinfied Carbon - Graphite							
M104 F	1.70	55	200	75	2.0	5.0	200
M105 F	1.70	50	180	65	2.0	5.0	200
M106 F	1.65	65	210	85	2.0	5.0	200
M158 F	1.70	65	220	85	2.0	5.0	200
M205 F	1.80	60	200	75	2.0	4.5	200
M104 K	1.70	55	200	75	2.0	5.0	200
M105 K	1.70	50	180	65	2.0	5.0	200
M106 K	1.65	65	210	90	2.0	5.0	200
M158 K	1.70	65	220	90	2.0	5.0	200
M205 K	1.80	60	200	75	2.0	4.5	200
M104 H	1.70	58	180	70	2.0	5.0	200
M105 H	1.70	55	160	60	2.0	5.0	200
M106 H	1.65	60	200	85	2.0	5.0	200
M158 H	1.70	65	210	85	2.0	5.0	200
M205 H	1.80	60	200	70	2.0	4.5	200
Dipping Metallic Carbon - Graphite							
M104 B	2.40	65	160	60	3.0	5.5	200
M255 B	2.40	35	70	30	3.0	5.0	200
M106 B	2.30	70	180	65	3.0	5.5	200
M158 B	2.40	70	200	65	3.0	5.5	200
M104 A	2.00	120	280	70	2.5	7.5	350
M265 A	2.10	90	180	40	2.5	7.0	400
M104 D	2.20	65	180	75	2.5	7.0	350
M255 D	2.30	40	85	40	2.5	6.5	400
M106 D	2.20	70	200	80	2.5	7.0	350
M158 D	2.30	75	210	85	2.5	7.0	350
M104 P	2.60	70	240	75	3.0	6.0	350
M255 P	2.60	50	120	40	3.0	6.0	400
M106 P	2.40	75	250	75	3.0	6.0	350
M158 P	2.50	75	260	80	3.0	6.0	350
Resin Combined Carbon - Graphite							
M356	1.75	55	160	60	1.0	9.0	200
M357	1.75	60	160	45	1.0	9.0	200

Note : F-Phenol Aldehyde resin , K- Furan resin , H- Epoxy resin , B – Babbitt Metal , A- Aluminum alloy , D- Antimony , P- Copper alloy