

Artificial Graphite Rods

Small Diameter Rods are processed & extruded from fine & medium grain powders of pure carbon materials. Rods are heated for Graphitization to obtain excellent structure and strength. These rods are used for general purpose applications and are also machinable.

Sizes:

Diameter	Length	Grades
4 to 19mm	300mm	SMR-XL
25 to 65mm	300 to 1250mm*	SMR&SMR-XL
75 to 300mm	300 to 1250mm*	SLR&SLR-XL

*Length can be manufactured as per customer's requirement

Specifications :

Typical Properties	Unit	SMR	SMR-XL	SLR	SLR-XL
Particle Size	mm	0.25	0.25	0.8	0.8
Apparent Density	g/cc	1.65	1.73	1.67	1.74
Porosity	%	18	12	20	18
Electrical Resistivity	micro-ohm-m	11	11	9	9
Compressive Strength	MPa	30	36	26	30
Flexural Strength	MPa	21	26	15	17
Co-efficient of Thermal Expansion	$10^{-7}/^{\circ}\text{C}$	7	7	17	19

Note: - All Values are Typical not specified as min. or max.



The information is offered in good faith as characteristic value. Since; the use of this data and the conditions of the use of these products are not within the control of the manufacturer, It is recommended that user should review the specific context of the intend use and determine the safe use of these products.



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