

Specification of VESPEL SP-1 rod

	Parameter	Specification
	Mechanical properties	
1.	Tensile Strength	86.2 MPa
2.	Flexural Strength	110.3 MPa
3.	Compressive Stress (at 1% strain)	24.8 MPa
4.	Compressive modulus	2413 MPa
5.	Poisson's Ratio	0.41
	Thermal properties	
6.	Coefficient of Linear Expansion	54 $\mu\text{m}/\text{m}/^\circ\text{C}$
7.	Thermal Conductivity	0.35 $\text{W}/\text{m}.^\circ\text{C}$
	Electrical properties	
8.	Dielectric constant (at 100 Hz)	3.62
9.	Dielectric strength (short term)	22 MV/m
	Above specifications has to be met at temperature of 23°C	

- Material conformance certificate should be supplied by the party.
- Item should be of single length rod and packed properly.
- Item should be delivered to LPSC, Bangalore.
- Delivery period: 2 weeks from the Date of receipt of PO.