

Lab-Sil brand fused silica laboratory and industrial ware is manufactured according to standards and also according customers requirement .The Silica content of the raw material (Silica Sand) is > 99.8 %. The Silica sand is purified and fused into Silicaware. It is known brand in Quality Control Labs and Research Institutes.

PROPERTIES OF 'Lab-Sil' BRAND SILICAWARE :

PROPERTIES	PARTICULARS
Chemical properties	Not Affected By Nitric,Sulphuric, Hydrochloric Acids.Certain Metal Oxides .Hot Alkalies react with Silica. It is attacked by Hydrofluoric acid & Phosphoric acid at high temperatures. Density : 2.2 /cm ³ Hardness : 6 – 7 Mohs Poisson's Ratio : 0- 17 Young's Modulus : 7.4 X 10 ⁵ kgs/cm ² Tensile Strength :600 – 700 kgs/cm ² Average co-efficient of expansion 0 °C to 800 ° C – 5.5 X 10 ⁻⁷ /°C 1700 ° C Annealing Temperature 1150 ° C Working Temperature 1900 ° C to 2000 ° C Operating Temperature (continuous) 1050 ° C Operating Temperature (intermittent) 1350 ° C
Physical Properties	
Low expansion and weight constancy	
Softening Temperature	
Annealing Temperature	
Working Temperature	
Operating Temperature (continuous)	
Operating Temperature (intermittent)	

Note : Continuous usage of silicaware above 1000 °C leads to devitrification and intum leads to breakage on repeated usage. For long usage it is advisable to rinse the silicaware in distilled water and alcohol to remove any remains of the material, heated

	Catalogue No	Capacity	Dimensions	Catalogue No	Capacity	Dimensions
	LS/RBBA/55	20 ml	55X23mm	LS/RBBA/94	85 ml	94X36mm
	LS/RBBA/75	45 ml	75X27mm	LS/RBBA/100	100 ml	100X40mm
	LS/RBBA/87	70 ml	87X33mm	LS/RBBA/113	200 ml	113X47mm
	LS/LFC/15	15 ml	42X25mm	LS/LFC/150	150 ml	82X51mm
	LS/LFC/25	25 ml	47X28mm	LS/LFC/500	500 ml	
	LS/LFC/50	50 ml	57 X 37mm			
	LS/LFC/80	80 ml	67X45mm	LS/LFC/1000	1000 ml	
	LS/LTFC/20	20 ml	35X38mm	OUR OTHER SPECIALIZED PRODUCTS: <ul style="list-style-type: none"> * Deep form Basin with spout upto 1 ltr. * Flat form Basin with spout. * Swelling index crucibles with lids. * Caking index crucible. * Combustion tube. * Carbon and Sulphur Estimation tube * Grey King Retort Tubes * Silica Triangles * Silica Trays <p>We have a well equipped production setup with well backed technical staff to fabricate any customary design in Quartz and Silica</p> <p><small>Important Note: The specifications are strictly in accordance to the standards. All rights are reserved with us for alteration / modifications on circumstances dictate.</small></p>		
	LS/LTFC/30	30 ml	43X39mm			
	LS/LTFC/50	50 ml	51X51mm			
	LS/MD/38/MD	8 ml	38 x 11 mm			
	LS/MD/54/MD	20ml	54X12mm			
	LS/MD/75/MD	35ml	75x12mm			
	LS/CC/40	10 ml	15X40mm			
	LS/CC/48	20 ml	15x48mm			
	LS/CC/54	25 ml	15x54mm			
	LS/SMT/2	2 holes				
	LS/SMT/4	4 holes				
	LS/VMC	with lids	25x38mm			
	LS/VMP	plunger				
	LS/VML	only lid				