**SILICAWARE**

**LABSIL** brand fused silica laboratory and Industrial ware is manufactured according to standards and also according customers requirements. 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 Controls Labs and Research Institutions.

Properties of Labsil Brand Silicaware

Chemical Properties : Not affected by Nitric, Sulphuric, Hydrochloric Acids. Certain

 Metal oxides, Hot Alkalies react with Silica. It is attacked by

 Hydroflouric acid & Phosphoric Acid at high temperature

Physical Properties : Density : 2.2 / cm³ , Hardness : 6 – 7 Mohs

 Poisson’s Ratio : 0 – 17 , Tensile Stre ngth : 600 – 700 kgs/cm²

Softening Temperature : 1700℃

Annealing Temperature : 1150℃

Working Temperature : 1900℃ to 2000℃

Operating Temperature : 1050℃

(continuous)

Operating Temperature : 1350℃

(intermittent)

**Note** : Continuous usage of silicaware above 1000℃ leads to breakage on repeated usage. For long usage it is advisable to since the silicaware in distilled water and alcohol to remove any remains of the material heated.

**Silica Round Bottom Basin With Spout**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cat. No | Capacity ml | Dia mm | Height mm | Qty. Per Pack Pcs |
| 155103 | 20 | 55 | 23 | 10 |
| 155106 | 45 | 75 | 27 | 10 |
| 155109 | 70 | 87 | 33 | 10 |
| 155112 | 85 | 94 | 36 | 10 |
| 155115 | 100 | 100 | 45 | 10 |
| 155118 | 200 | 113 | 47 | 10 |
| 155124 | 400 | 142 | 63 | 10 |



**Silica Deep Form Basins with Spout**

|  |  |  |
| --- | --- | --- |
| Cat. No | External Dimensions | Nominal Capacity (ml) |
| **Height H (mm)** | **Diameter D (mm)** |
| 155403 | 18 | 40 | 10 |
| 155406 | 25 | 50 | 15 |
| 155409 | 30 | 60 | 45 |
| 155412 | 45 | 80 | 90 |
| 155415 | 55 | 100 | 170 |

**Silica Flat Form Basins with Spout**

|  |  |  |
| --- | --- | --- |
| Cat. No | External Dimensions | Nominal Capacity (ml) |
| **Height H (mm)** | **Diameter D (mm)** |
| 155703 | 15 | 69 | 20 |
| 155706 | 15 | 79 | 25 |
| 155709 | 20 | 101 | 75 |
| 155712 | 23 | 131 | 125 |



**Silica Capsules Circular/Dishes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cat. No | Capacity         ml | Dia mm | Height mm | Qty. Per Pack Pcs |
| 156003 | 10 | 15 | 40 | 10 |
| 156006 | 20 | 15 | 48 | 10 |
| 156009 | 25 | 15 | 54 | 10 |

**Silica Low form Crucible Without Lid**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cat. No | Capacity   ml | Dia   mm | Height   mm | Qty. Per Pack Pcs |
| 156303 | 15 | 41 | 25 | 10 |
| 156306 | 25 | 47 | 28 | 10 |
| 156309 | 50 | 57 | 37 | 10 |
| 156312 | 80 | 67 | 45 | 10 |
| 156315 | 100 | 71 | 50 | 10 |
| 156318 | 150 | 82 | 51 | 10 |



**Silica Low Form Lid**

|  |  |  |
| --- | --- | --- |
| Cat. No | Capacity   ml | Qty. Per Pack Pcs |
| 156503 | 15 | 10 |
| 156506 | 25 | 10 |
| 156509 | 50 | 10 |
| 156512 | 80 | 10 |
| 156515 | 100 | 10 |
| 156518 | 150 | 10 |



**Silica Tall Form Crucible.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cat. No | Capacity   ml | Dia   mm | Height   mm | Qty. Per Pack Pcs |
| 156803 | 20 | 35 | 38 | 10 |
| 156806 | 30 | 43 | 39 | 10 |
| 156809 | 50 | 51 | 51 | 10 |
| 156812 | 200 | 81 | 73 | 10 |

**Silica Tall Form Crucible lid.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cat. No | Capacity   ml | Dia   mm | Height   mm | Qty. Per Pack Pcs |
| 157103 | 20 | **Suit to crucible** | 10 |
| 157106 | 30 | 10 |
| 157109 | 50 |  |  | 10 |
| 157112 | 200 |  |  | 10 |



**Silica Moisture Dish With Lid**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cat. No | Capacity   ml | Dia   mm | Height   mm | Qty. Per Pack Pcs |
| 157303 | 8 | 38 | 11 | 10 |
| 157306 | 20 | 54 | 12 | 10 |
| 157309 | 35 | 75 | 12 | 10 |

**Silica Trays Rectangular Trays (Industrial Silica ware).**

|  |  |  |  |
| --- | --- | --- | --- |
| ItemCode | LengthL (mm) | BreadthB (mm) | ThicknessT |
| 157803 | 75 | 75 | 25 |
| 157806 | 100 | 75 | 25 |
| 157809 | 150 | 75 | 25 |
| 157812 | 100 | 100 | 25 |
| 157815 | 150 | 100 | 25 |
| 157818 | 100 | 100 | 30 |
| 157821 | 150 | 100 | 30 |
| 157824 | 150 | 150 | 25 |
| 1578 27 | 150 | 150 | 30 |



**Silica Volatile Matter Crucible With Lid.**

|  |  |  |  |
| --- | --- | --- | --- |
| Cat. No | Dia   mm | Height   mm | Qty. Per Pack Pcs |
| 157503 | 38 | 25 | 10 |
| Spares : |   |   |   |
|     157506                      |   | Only lids | 10 |
| 157509 |   | Plunger | 10 |