

Super sink

- Super sink is rubber which has high resistance to nitric acid and nitrofluoric acid. In the process of using nitric acid and nitrofluoric acid, it has higher resistance than Super wringer IV.
- Moreover, for general acids and alkalis, it also has the same or over performance as Super wringer IV.

○ Basic physical properties

	Super sink 70Hs	Super sink 80Hs	Super wringer IV (Current products)
Hardness Hs	71	78	71
M100 MPa	6.2	8.0	5.4
M200 MPa	18.3	22.5	15.2
Tensile strength MPa	20.0	22.7	17.2
Elongation %	205	200	210
Tear resistance KN/m	50.3	51.4	44.0
Akron abrasion cc	0.07	0.05	0.14
Rebound %	61	52	45
Compression set %	5.0	5.5	5.8
Edge abrasion mm	6.5	3.5	4.1

Super sink has the same physical properties as Super wringer IV.

○ Nitric hydrofluoric acid resistance test

※ Test method After soaking in a high concentration of nitric acid and fluoric acid mixture at 70°C for 168 hours, the volume, mass and surface state changes were measured to compared with those before soaking.

Test rubber	Super sink 70Hs	Super sink 80Hs	Current products①	Current products②
Hardness change (Hs)	+1	+2	-6	+1
Mass change rate (%)	1.9%	1.7%	8.3%	5.1%
Volume change rate	0.1%	0.8%	8.7%	3.5%
Surface state	No change	No change	Tiny crack	Slight adhesion

The Nitric hydrofluoric acid resistance of Super sink is better than current products. Moreover, the surface condition after immersion is better than current products.

○ Other resistance

It also has good resistance to common acids and alkali such as hydrochloric acid and sodium hydroxide.

○ Recommended use

It can be applied to sink rolls.