

# NEOC cylinder

## High strength cylinder for the high pressure injection molding machine

- "NEOC" cylinder provides excellent pressure resistance due to the special backing metal "HPS700" and the strong alloyed layer.
- "NEOC" cylinder has several types of alloy layer materials as in the below table, and it can be used depend on molding purpose.

Wear and corrosion resistance type : NEOC600

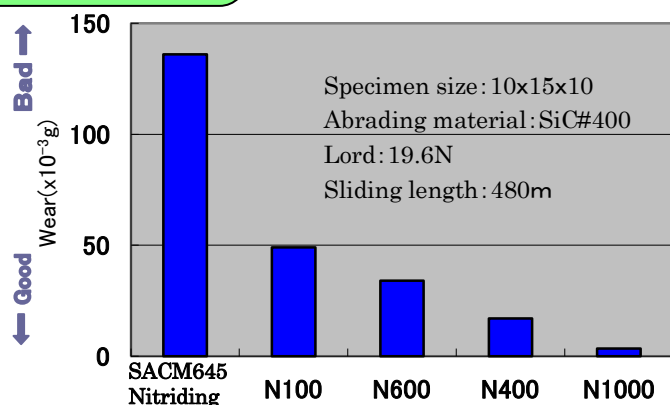
The cumulative shipments are over 10,000 pieces. "NEOC600" is the typical standard material for the high performance injection molding machine.

Wear resistance type : NEOC100

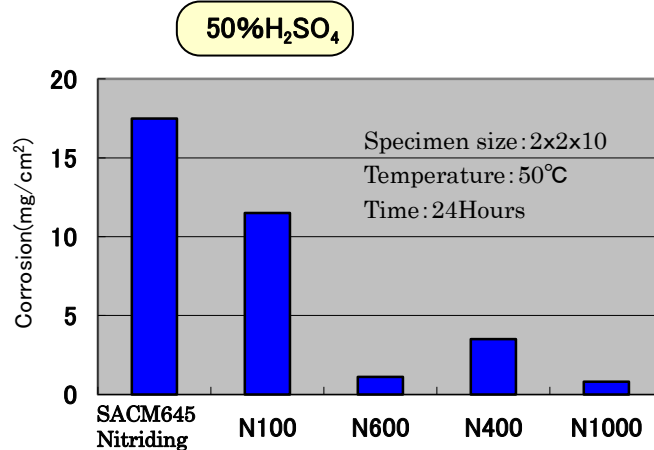
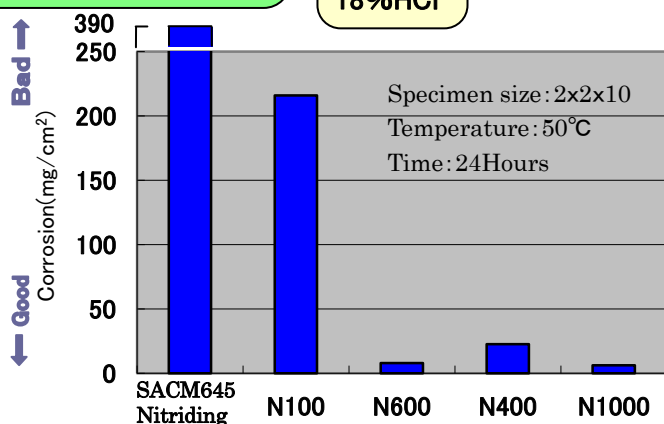
"NEOC100" features both high wear resistance performance and high cost performance.

|                                      |                    | NEOC100 | NEOC600  | NEOC400 | NEOC1000                 |         |
|--------------------------------------|--------------------|---------|----------|---------|--------------------------|---------|
| Alloy layer type                     |                    | Fe base | Ni base  | Co base | Ni base + Hard particles |         |
| Backing metal                        |                    | HPS700  | HPS700   | HPS700  | HPS700                   | SCM440  |
| Hardness                             | Alloy layer (HRC)  | 55-65   | 50-60    | 55-65   | 57-66                    |         |
|                                      | Backing metal (Hs) | 42-48   | 38-42    | 38-42   | 42-48                    | 28-40   |
| Bending strength of alloy layer(MPa) |                    | 580-680 | 930-1030 | 580-740 | 700-900                  |         |
| Yield point of backing metal (MPa)   |                    | 620-780 | 550-630  | 550-630 | 620-780                  | 340-420 |

### Wear resistance



### Corrosion resistance



Note: The data in our report do not constitute any kind of warranty or guarantee.