

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

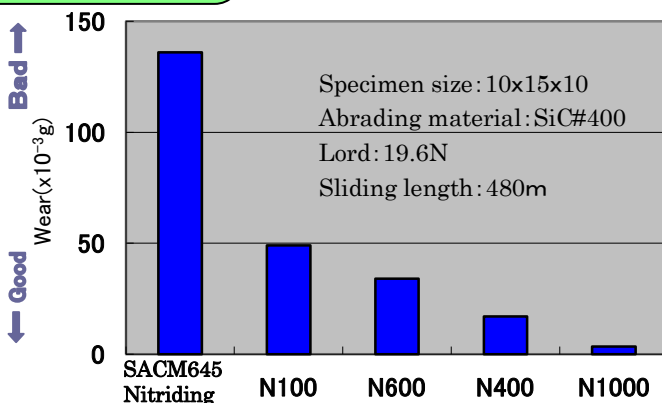
The cumulative shipments are over 10,000 pieces. "NEOC600" is the typical standard material for the high performance injection molding machine.

Wear resistance type : NEOC100

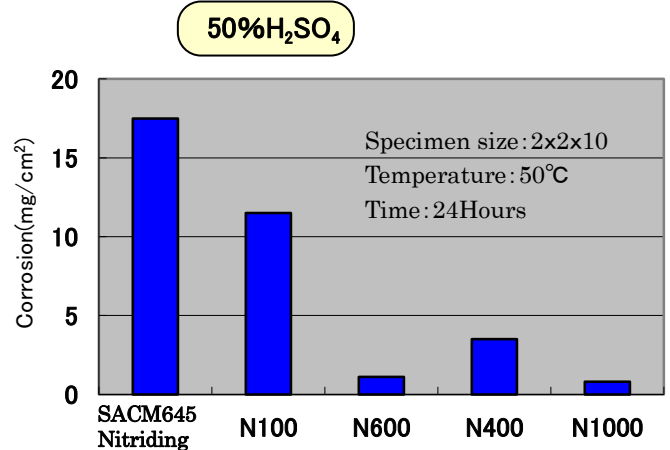
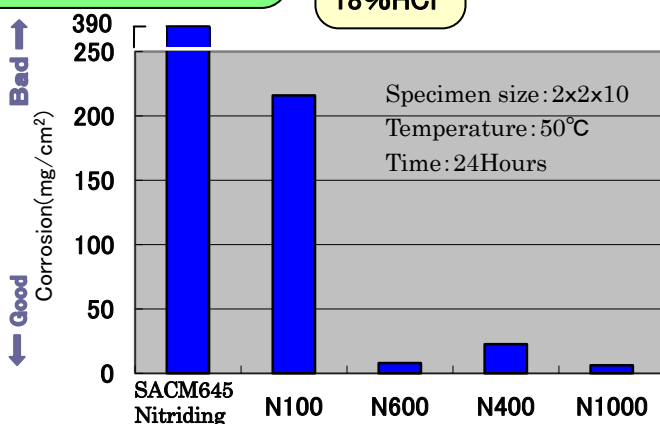
"NEOC100" features both high wear resistance performance and high cost performance.

		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.