

ZDP189

— Premium Knife Blade Steel —

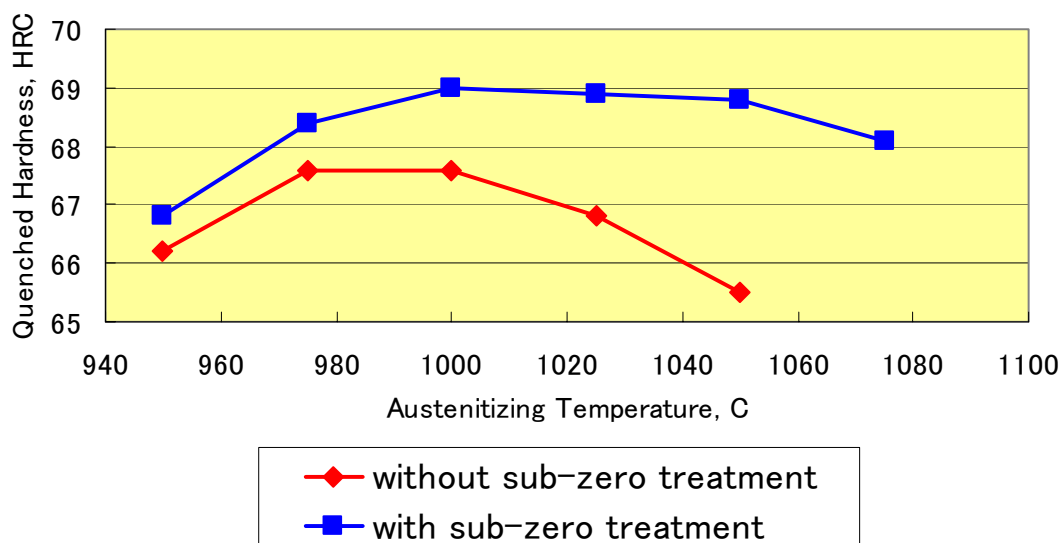
● Features

- Powdered steel with uniform and fine microstructure
- Chemical Composition : Fe - 3%C - 20%Cr
- Excellent wear resistance due to high hardness (66 to 68 HRC)
- Good toughness against chipping
- Good corrosion resistance

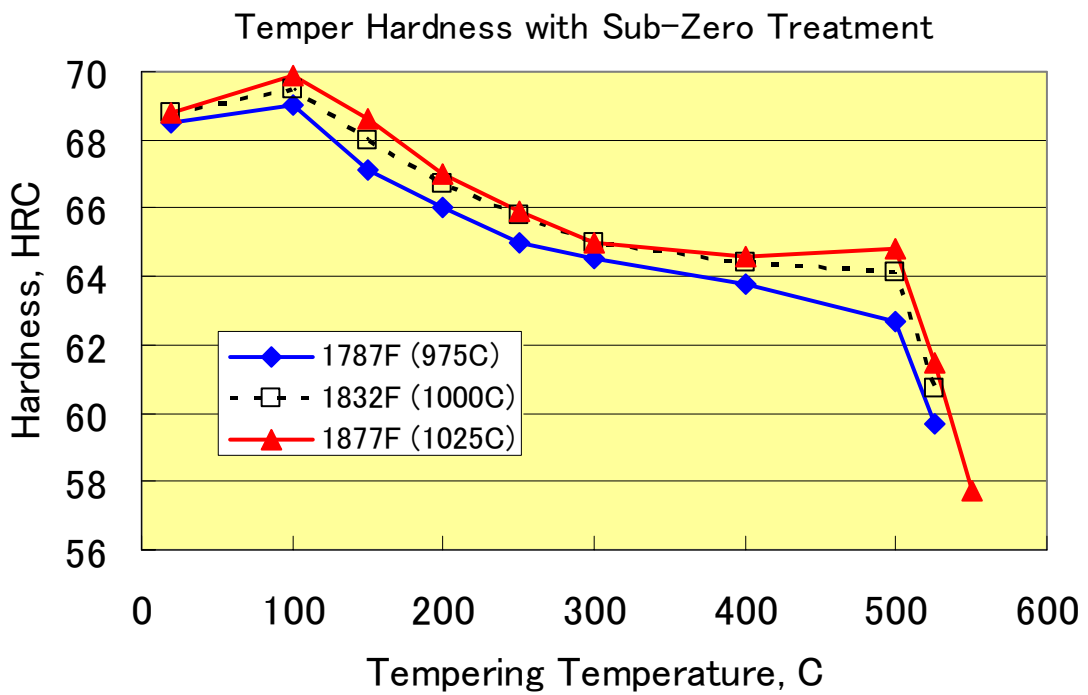
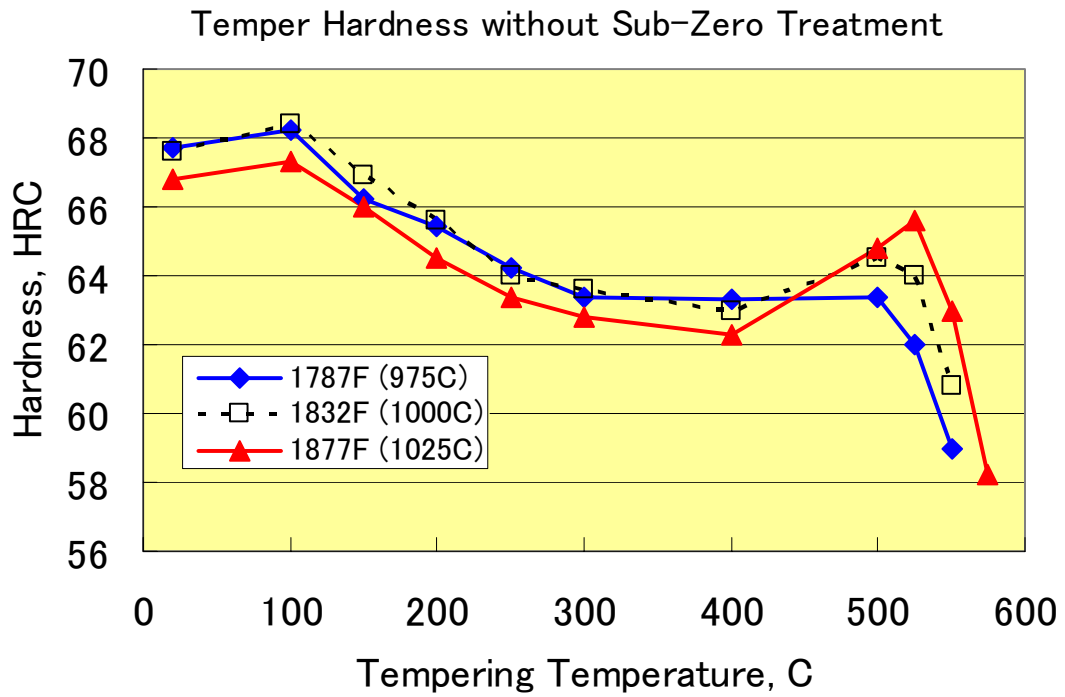
● Heat Treatment Condition

		Recommended condition	Hardness
Hardening	Austenitizing	1000 to 1050°C (1832 to 1922F), Either air cooling or oil cooling plus Sub Zero	Min. 65 HRC
	Tempering	100 to 150°C (212 to 302F), air cooling	

● Heat Treatment Properties

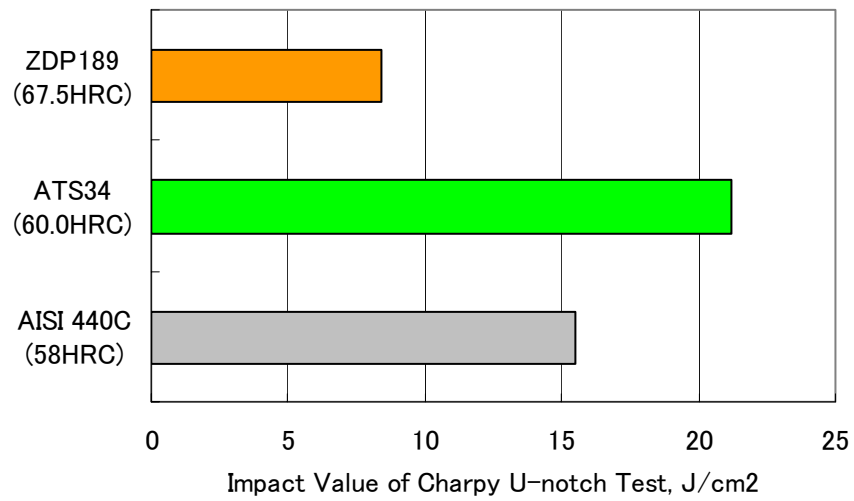


<Remarks> cooling medium : Air, sub-zero treatment : - 75°C

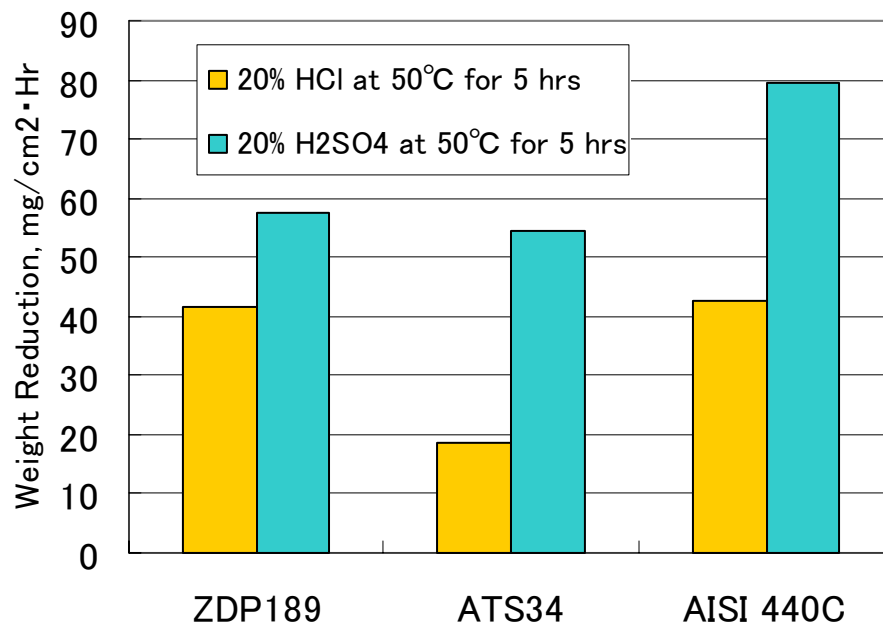


<Remarks> cooling medium to quench : Air , sub-zero treatment : - 75°C

● **Toughness**



● **Corrosion Resistance**



* weight reduction measured after dipping in the solutions as shown in the above graph

All technical information contained herein is representative on this alloy and does not guarantee application quality. Please note these are subject to change without notice.