

UHP™ 15CR / 17CR (1/2)

1. Features

UHP™ can be used for HPHT and/or deep wells as a corrosion-resistant heavy-wall production casing and/or tubing for mild-sour and severe CO₂.

Chemical composition

- UHP™ 15CR
0.03C-15Cr-6Ni-2Mo-1Cu
(Martensitic Stainless)
- UHP™ 17CR
0.03C-17Cr-4Ni-2.5Mo-1W-1Cu
(Martensite / Ferrite)

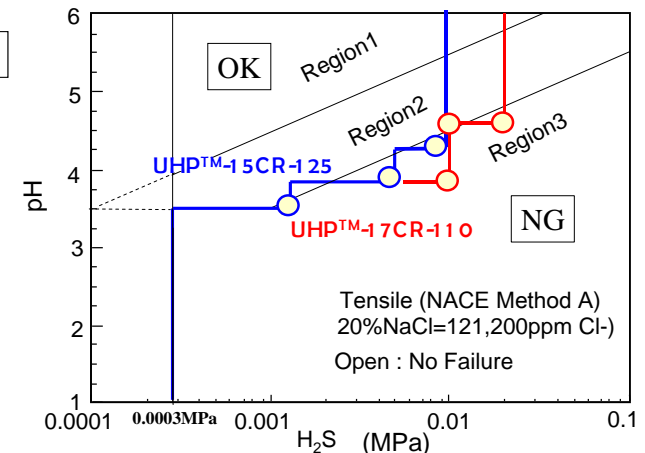
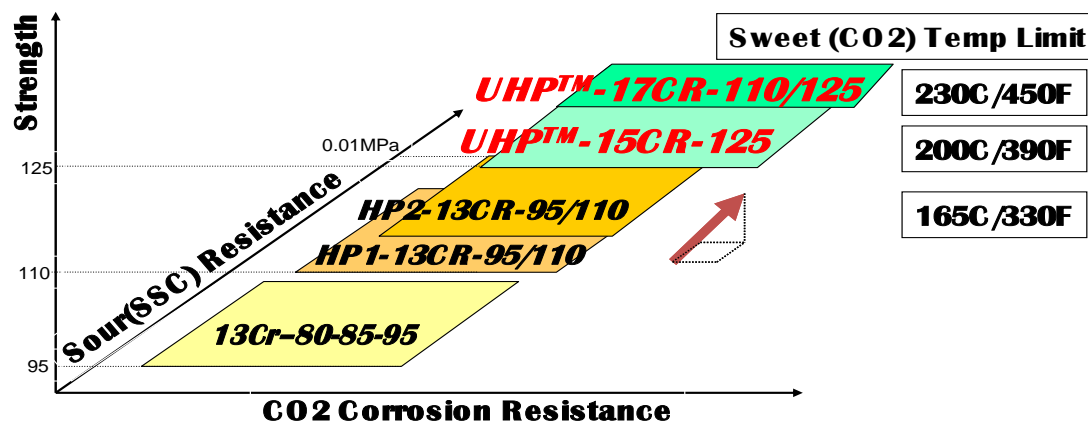
Manufacturing process
without cold drawing

- Excellent corrosion resistance in both productive and non productive environments (Sour, CO₂, Acidizing)
- High strength (110/125 ksi) at ambient and elevated temperatures
- Heavy wall availability
- Competitive cost
- Shorter delivery time

2. Technical Advantages

UHP™ has excellent corrosion resistance with a high strength of 110 ksi and 125 ksi.

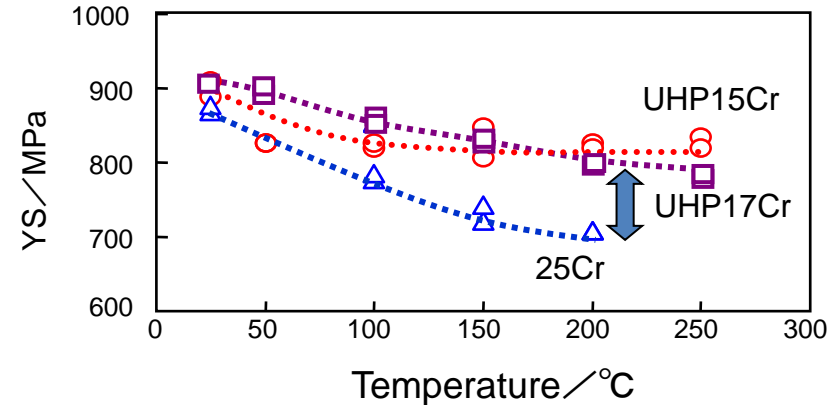
Development of Enhanced Chrome Materials



UHP™15CR / 17CR (2/2)

Strength Derating properties

- UHP™ maintains higher strength at high temperature than Duplex



3. Commercial Advantages

- UHP™ is manufactured without cold drawing and with a rich alloy composition.
- More competitive cost and shorter delivery time than other CRA materials (22Cr/25Cr).

4. Supply Record

- **Field Proven:** Accumulated global supply of more than 8,000 MT
- **Customers:** Super Majors, National Oil Companies, Independents.
- **Area:** U.S.A On land, Gulf of Mexico (Ultra Deep, Deep Shallow), Brazil, Southeast Asia, Australia, Africa



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