steel warehouse
The Trusted Solution

SW960QT

SW**960**QT is a unique product designed to take advantage of the benefits related to plate from coil and the proven technical flexibility of the quench and tempering process. This combination will achieve superior properties and economic advantages for your advanced fabrications.

MINIMUM MECHANICAL PROPERTIES

Direction	Yield Strength (ksi)	Tensile Strength (ksi)	Elongation (% in 2")
Transverse	140	145	8%

CHEMICAL COMPOSITION *(TYPICAL)*

C	Mn	P	S	Si	Al
0.25	1.65	0.02	0.010	0.35	>0.015

IMPACT PROPERTIES *(GUARANTEED)*

Direction	Test Temperature (F & C)	Ft-lbs (min) per ASTM A370
Transverse & Longitudinal	-40	20

BENDABILITY *(TYPICAL)*

Direction	0.375 ≤ t < 0.500 inches	0.500 ≤ t ≤ 1.000 inches
Longitudinal	3.5 t	4.0 t

CARBON EQUIVALENTS *(TYPICAL)*

CEV IIW	CEV AWS
0.47	0.52

CEV_{iiw}=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15

CEV_{AWS} =C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15+(Si)/6