

CHEMICAL & MECHANICAL PROPERTIES

Specification	Type	Grade	Chemical Composition										Mechanical Properties								Impact Energy J (Ft.lb) (min.)	Hydrostatic Test Pressure		
			C %	Mn %	P %	S %	Si %	V %	Nb %	Ti %	C.E.		Yield Strength				Tensile Strength						% Elongation	
											PCM	IIV	Min		Max		Min		Max					
													PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa				
API 5CT	ERW	H 40 J-55	-	-	0.030	0.030	-	-	-	-	-	-	-	40000	276	80000	552	60000	414	-	-	e = 625,000 A ^{0.2} / U ^{0.9}	27L/20T 20L / 15T L=Long. T = Trans.	P = 2 (f x yp x T)/D F = A Factor 0.8 for < 10-3/4, and 0.6 for ≥ 10-3/4 YP = Specified Yield Strength (PSI)
			-	-	0.030	0.030	-	-	-	-	-	-	55000	379	80000	552	75000	517	-	-				

NOTE : Refer current editions of Relevant specification for Dimensions and Propertie data

* Specifications are subjected to change without any prior notice

A = Specimen crossectional area P = Test Pressure PSI (MPa)

U = Specified Min. T.S T = Specified wall thickness