



M/s. Chhaganlal Dharamchand Shah

CARBON STEEL PLATES - IS 8500 / SAILMA

MECHANICAL PROPERTIES

GRADE IS 8500	TENSILE STRENGTH (Min) Mpa	YIELD STRENGTH				ELONGATION PERCENT (Min) 5.65 v80	BEND (INTERNAL DIAMETER) Min <12 mm 12-25 mm		CHARPY V-NOTCH IMPACT TOUGHNESS, JOULES Min (Average of 3 values at room temperature)	
		<16 mm (Mpa)	16-40 mm (Mpa)	41-63 mm (mpa)	>63 mm (mpa)		2t	3t		
Fe 440	440	300	290	280	By Agreement	22	2t	3t	-	
Fe 440-B	440	300	290	280	-	22	2t	3t	50	30
Fe 490	490	350	330	320	-	22	2t	3t	-	
Fe 490-B	490	350	330	320	-	22	2t	3t	50	25
Fe 540	540	410	390	380	-	20	2t	3t	-	
Fe 540-B	540	410	390	380	-	20	2t	3t	50	25
Fe 570	570	450	430	420	-	20	2t	3t	-	
Fe 570-B	570	450	430	420	-	20	2t	3t	45	20
Fe 590	590	450	430	420	-	20	2t	3t	-	
Fe 590-B	590	450	430	420	-	20	2t	3t	45	20

Since 1969