Tubeferm®

AS/NZS 1594 - HA1016

GENERAL DESCRIPTION

Hot rolled strip with a guaranteed chemical composition for the production of pipe.

MECHANICAL PROPERTIES OF STEEL BASE

MECHANICAL	TYPICAL (MPa)		
PROPERTIES	1.48 - 6.00	6.01 - 8.00	8.01 - 12.70
Longitudinal tensile			
Yield strength, MPa	300 - 400	270 - 350	230 - 320
Tensile strength, MPa	440 - 520	430 - 490	400 - 450
> 3mm Elongation % (200mm)	20 - 30	22 - 33	23 - 29
180° Bend (Transverse)			
≤ 6mm	1t	1t	1t
> 6mm	2t	2t	2t

- Mechanical properties not certified and not guaranteed.
- Final product properties are dependent on customer's processing.

CHEMICAL PROPERTIES	GUARANTEED MAXIMUM %	TYPICAL %		
Carbon (C)	0.12 - 0.18	0.15		
Phosphorus (P)	0.040	0.015		
Manganese (Mn)	0.60 - 0.90	0.75		
Sulphur (S)	0.030	0.012		
Silicon (Si)	0.030	0.010		
Aluminium (AI)	0.10	0.030		
CF1	0.39	0.28		
CF2	1.00			
$CF1 = C + \frac{Mn}{6} + \frac{Cr + Mo + V}{5} + \frac{Ni + Cu}{15}$				
CF2 = Ni + Cr + Cu + Mo				

DIMENSIONAL LIMITS

THICK-	WIDTH (mm)		
NESS (mm)	751 751 1010 1010 1010 1010 1020 1020 1020 1020 1020 1020 1020 1020 1020 1020 1020 1020 1020 1020 1020 1120 1120 1120 1120 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1300 1300 1300 1300 1300 1300 1300 1300 1400 1410 1420 1430 1440 1450 <		
1.48 - 1.65			
1.66 – 1.75			
1.76 – 1.85			
1.86 - 1.95			
1.96 - 2.05			
2.06 - 2.15			
2.16 - 2.25			
2.26 - 2.35			
2.36 - 2.45			
2.46 - 2.55			
2.56 - 2.65			
2.66 - 2.75			
2.76 - 2.85			
2.86 - 2.95			
2.95 - 3.05			
3.06 - 3.15			
3.16 - 12.7			

• Available in 0.01mm thickness increments.

Available in 1mm width increments.

$\textbf{TUBEFORM}^{\texttt{$\$$}} \text{ Datasheets effective from August 2007. Valid until further notice.}$

The information contained in these datasheets is provided by way of general information only, and shoud not be relied upon by any person. You must seek specific advice as to the suitability of the products featured in these datasheets for the purpose for which, and the manner in which, you propose to use them. This may involve further independent analysis and testing. Bluescope Steel Limited, and its related bodies corporate take no responsibility for any adverse consequences of any nature which arise as a result of reliance on these datasheets. BLUESCOPE STEEL

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AS/NZS 1594 - HA1016 CONTINUED

SUPPLY CONDITIONS			
Surface finish	Hot Rolled		
Edge	Untrimmed		
Tolerances	AS/NZS 1365		
Flatness	Class A		
Certification at Thickness	Chemical Analysis Certificates		

FABRICATING PERFORMANCE			
Method	Rating		
Bending	4		
Roll-forming	4		
Welding	5		
Galvanising	5		

Where 1 = limited, to 5 = excellent, or NR = not recommended

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