

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887

Phone: (214) 589-8177 Fax: (214) 589-8892

Order Number: 30357

(250457-122) INV #00104411 02/02/07 Date: 02/08/07

Sold to: FORGINGS FLANGES & FTGS
6875 FULTON
HOUSTON TX 77022

Ship to: FORGINGS FLANGES & FTGS. 0001
6875 FULTON
HOUSTON TX 77022

Heat Code	Quantity	Description / Specifications	
ED98BY347	36	10 STD TEE WPL-6 API5L 41 09/L01052	A/SA 420 - 96 WPL6 NORM 1650 NACE MR0175
ED98BX345 ✓	36	10 STD TEE WPL-6 X42 09/L00782	A/SA 420 - 96 WPL6 NORM 1650 NACE MR0175
EB98BB943	27	10 STD TEE WPL-6 A106B 57/94371	A/SA 420 - WPL6 NORM 1650 NACE MR0175
ED98BZ344	27	10 STD TEE WPL-6 X42 09/N06523	A/SA 420 - 96 WPL6 NORM 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
ED98BY347	M	.160	1.110	.005	.007	.230	.020	.020	.050	.010	.0031
ED98BX345	M	.160	1.100	.008	.006	.230	.020	.020	.060	.020	.0014
EB98BB943	M	.177	.700	.006	.006	.270	.193	.070	.060	.022	.0024
ED98BZ344	M	.160	1.100	.010	.007	.240	.020	.010	.040	.000	.0028

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
ED98BY347		.028			.010					.364
ED98BX345		.027			.010					.364
EB98BB943		.000	.0000	.0000	.000	.013				.026
ED98BZ344		.027			.010					.319

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
ED98BY347	71.5			48.7	37.0	73.0	137
ED98BX345	70.9			48.2	36.0	75.0	137
EB98BB943	79.3			38.4	33.0	77.0	135
ED98BZ344	71.1			47.5	36.0	73.0	135

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
ED98BY347	10.0		-50	135,147,122	86,94,92	80,80,80
ED98BX345	10.0		-50	119,117,115	88,84,87	70,70,70
EB98BB943	10.0		-50	33,56,61	34,53,57	20,30,30
ED98BZ344	10.0		-50	119,120,102	91,93,85	70,70,60

Test: M-Mill Product
Type:

We certify that the material herein described has been manufactured, heat treated, sampled, tested, and inspected in accordance with the above standards and specifications and satisfies those requirements. We certify these flanges and fittings capable of passing a hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.
/s/ Glinda LaFleur