

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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

Order Number: 5301

(261200-008) INV #00122050 02/12/19 Date: 12/20/02

Sold to: TUBOS CONEXIONES Y TANQUES
 VALLE DE LAS ALAMEDAS NO.66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN, EOO. DE MEXICO

Ship to: TUBOS CONEXIONES Y TANQUES 001
 C/O SPECIALIST IN TRANSIT FWR
 1801 MARKLEY - MODERN IND PARK
 LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
EJ02WK	81	4 STD CAP A/SA 234 - 01 WPB A516-70 106/B2V6917 NORM. 1650 NACE MR0175
ED02TR	100	6 STD CAP A/SA 234 - 01 WPB A516-70 106/B1W7129 NORM. 1650 NACE MR0175
EE02TV	100	6 STD CAP A/SA 234 - 01 WPB A516-70 106/A1Y2244 NORM. 1650 NACE MR0175
EK02WT	15	24 STD CAP A/SA 234 - 01 WPB A516-70 106/B2V6916 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EJ02WK	M	.210	1.040	.016	.006	.200	.150	.050	.030	< .010	.0260
ED02TR	M	.210	1.060	.013	.012	.210	.140	.060	.070	.010	.0370
EE02TV	M	.230	.980	.015	.004	.210	.110	.050	.020	.010	.0240
EK02WT	M	.220	1.040	.017	.004	.180	.120	.050	.030	< .010	.0270

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EJ02WK	.0080	< .010	<.0005	<.0100	<.010	.006	<.002	<.001	<.050	.406
ED02TR	.0060	.010	.0005	.0100	.010	.007	.002	.001	.050	.417
EE02TV	.0090	.010	.0005	.0100	.010	.006	.002	.001	.050	.411
EK02WT		< .010	<.0005	<.0100	<.010	.006	<.002	<.001	<.050	.414

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EJ02WK	83.8	T		62.1	19.0	46.0	159
ED02TR	82.0	T		56.9	23.0	39.0	163
EE02TV	78.8	T		52.0	32.0	61.0	152
EK02WT	82.0	T		55.1	32.0	60.0	152

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EJ02WK						
ED02TR						
EE02TV						
EK02WT						

Test: M=Mill Product

Type: T=Transverse

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