

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: 4515

(257500-013) INV #00115650 02/08/22 Date: 08/23/02

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	
KB02PY ✓	60	2 1/2 STD TEE A106B/009/B25883	A/SA 234 - 00 WPB STRESS RELIEVED NACE MR0175
KE02QQ ✓	120	3 STD TEE A106B/009/A41672	A/SA 234 - 01 WPB STRESS RELIEVED NACE MR0175
KH01OB ✓	20	5 STD TEE A106B/007/O50598	A/SA 234 - 00 WPB STRESS RELIEVED NACE MR0175
EJ00JD ✓	1	20 X 12 STD CON A106-B 9/B07976	A/SA 234 - 99 WPB NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
KB02PY	M	.170	.720	.009	.007	.220	.010	.020	.060	.010	
KE02QQ	M	.180	.780	.008	.009	.210	.020	.050	.080	.030	
KH01OB	M	.150	.660	.005	.002	.220	.130	.060	.040	.010	
EJ00JD	M	.210	.710	.008	.005	.220	.010	.020	.060	.010	.0300

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
KB02PY		.001			.001					.306
KE02QQ		.001			.001					.336
KH01OB		.001			.001					.282
EJ00JD	.0050	.010	.0005	.0100	.010	.002	.002	.003	.050	.346

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
KB02PY	71.0			46.9	37.0		127
KE02QQ	67.5			45.0	38.0		147
KH01OB	66.7			45.2	42.2		127
EJ00JD	71.0	L		48.8	32.0	62.0	132

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
KB02PY						
KE02QQ						
KH01OB						
EJ00JD						

Test: M=Mill Product

Type: L=Longitudinal

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