



FILM-005-7  
 PROCARSA, S.A. DE C.V.

**CERTIFICADO DE CALIDAD  
 DE PRUEBAS FISICAS-QUIMICAS**

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: TUCOTA  
 CUSTOMER:  
 PEDIDO CLIENTE / P.O. 9437  
 PEDIDO INTERNO / I.O.  
 PARTIDA (S) 36444-28

NUMERO PTM-51084-2-2002  
 NUMBER  
 FECHA SEPTIEMBRE 17, 2002  
 DATE

DIAMETRO: 18" ESPESOR DE PARED 0.500" GRADO: ASTM A53-B PRESION HIDROSTATICA: 82 Kg/cm<sup>2</sup> 1170 PSI  
 DIAMETER: 18" WALL THICKNESS GRADE: ASTM A53-B PRESSURE HYDROSTATIC TEST: 82 Kg/cm<sup>2</sup> 1170 PSI

TENSILE TEST

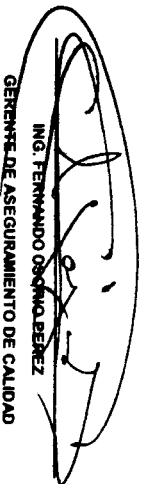
CHEMICAL ANALYSIS PERCENT WEIGHT

NUMEROS DE IDENTIFICACION	CERAMIC MATERIAL	LIMITS ELASTIC YIELD STRENGTH (0.2%)	TENSILE STRENGTH (MIN)	% ELONG. 2"	LIMITS TENSILE	C	Mn	P	S	CO	V	Ti	SI	Ca	Al	Co	Cr	NI	Mo	N	Ceq
9-3 Tc Ts	223360	53 231	70 076 78 311	42	0.76	0.165	1.15	0.023	0.006	0.003	0.005	0.004	0.183	0.015	0.035	0.0030	0.019	0.032	0.014	0.0044	

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APLICABLES DE LA ESPECIFICACION:

WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:

ASTM

  
 ING. FERNANDO OSORIO BENITEZ  
 GERENTE DE ASEGURAMIENTO DE CALIDAD