

Material Test Report

Heat Code: 2803487

An Ameri-Forge Group Company 13770 Industrial Rd. Houston, TX 77015

ISO 9001:2000 Certified

Sales: (713) 868-4421 Fax: (713) 455-8366

PLESA ANAHUAC Y CIAS PO: 6649 Sales Order: 70253 Line: 24 SA DE CV AV. VALLE DE LAS Item Code: 0603916100-CG21F Qty Shipped: 5 ALAMEDAS 66-0 Item Desc: FLG 16.00 0600 BL RF 54940 TULTITLAN, EDO, MEX Supplier: MF RINGS Supplier Heat: 2803487

Spec: ASTM A105/A105M-(05)/ASME SA 105/SA 105M-(08a) Section II Part A - Normalized

✓ 7440-02-0 ✓ 7440-47-3
✓ 7440-47-3

Mechanical Testing		Heat Treat	
Test Lab	MF RINGS	Norm, Temp. (F)	1652
Test Bar Size	SACRIFICIAL PIECE	Norm. (Hrs)	6
нви	159 - 159	Norm. Cooling Type	AIR
Elg (%)	31.6	Norm. Location	MF RINGS
RA (%)	61.0		
Tensile Specimen Size (in)	0.498		
Tensile (ksi)	75.1		
Yield (ksi)	47.6		
Gauge Length	2		
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Product compliant with NACE MR0175, latest edition and dimensions to ANSI B16.5 No Weld repair performed. Chemical Analysis results shown are actual. Forgings are capable of passing hydrostatic test compatible with the appropriate rating. Elongation taken from a round specimen. All material supplied under this order is certified to be free of mercury contamination and no mercury bearing equipment was used in manufacturing, fabrication or testing. Yield strength was determined using the 0.2% offset method.

EPCRA Supplier Notification: This product may contain one or more toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act (Title III of the Superfund Amendments and Reauthorization Act of 1986) and 40 C.F.R. Part 372. Potentially reportable chemicals are indicated with a checkmark in the "EPCRA" column and a Chemical Abstract Services (CAS) registry number is provided for each such chemical in addition to the percent by weight of the chemical present in this product. It is your responsibility alone to determine whether your facility is required to submit a Toxic Release Inventory Report under EPCRÁ Section 313.

Certification No.:

168395

Certification Date:

7/10/2009

Nicholas Tepovich - Metallurgic Lab Manager

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