



# Material Test Report

Heat Code: ZSX

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 SA DE CV AV. VALLE DE LAS ALAMEDAS 66-0 54940 TULTITLAN, EDO MEX	PO: 4161	Sales Order: 63578	Line: 2
	Item Code: 0151600102-0020F		Qty Shipped: 233
	Item Desc: FLG 06.00 0150 WN RF XH A105 NHT COFFR		
	Supplier: CMC		Supplier Heat: 260749
Spec: ASTM A 105/A 105M-03/ASME SA 105/SA 105M-04, Melt Practice EF			

Element	(%wt)	Ladle	Product	EPCRA	CAS#	Element	(%wt)	Ladle	Product	EPCRA	CAS#
C	Carbon	0.20				Cr	Chromium	0.09			✓ 7440-47-3
Mn	Manganese	0.91		✓	7439-96-5	Mo	Molybdenum	0.012			
P	Phosphorous	0.007				V	Vanadium	0.001			
S	Sulphur	0.016				Cb	Columbium	0.002			
Si	Silicon	0.19				C.E.		0.392			
Cu	Copper	0.19		✓	7440-50-8	CuNiCrMo		0.39			
Ni	Nickel	0.10		✓	7440-02-0	CrMo		0.10			

Mechanical			Other		
Test Lab	AFG	Country of Origin	USA (US)		
Test Bar Size	SACRIFICIAL PIECE	EF	Y		
HBW	143-143				
Elg (%)	35.0				
RA (%)	72.0				
Tensile Specimen Size (in)	0.246				
Tensile (ksi)	72.6				
Yield (ksi)	40.3				
Gauge Length	1.00				