

MATERIAL TEST CERTIFICATE



ANOOP FORGINGS PVT. LTD.
(An ISO 9001:2000 Certified Co.)

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CUSTOMER:	FLOW TECHNOLOGY LTD	Half House Lane, Brighouse, HD6 2PH, UK	AD 2000 - Merkblatt W0 Certificate No. 07 202 1423 WP 0847 10	AD MERKBLATTER W2	Technical Requirements
ORDER NOS.:	002717 / DW DT. 07.06.10 & 002980 / SD DT. 19.07.10				
Flow Technology Ltd	Flow Technology Ltd	Half House Lane, Brighouse, HD6 2PH, UK	AD 2000 - Merkblatt W0 Certificate No. 07 202 1423 WP 0847 10	AD MERKBLATTER W2	Technical Requirements
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Heat No. /Lot No.	Item Description	Tensile Strength (N/mm ²)	Proof Stress		% Elongation (%L0=5D)	% Reduction Area	Test Temp Deg. C	Impact Test				Hardness BHN
			Rp=0.2% (N/mm ²)	Rp= 1% (N/mm ²)				Charpy V-Notch (Joules)	Avg.			
G-664/2497	1" NB ASA 300LB RF SLIP ON (422-C-349)	568.47	420.32	450.64	49.42	68.84	20°	173.00	200.00	233.00	202.00	156.00

MECHANICAL PROPERTIES

MELTING PROCESS : ELECTRIC FURNACE & REFINING THROUGH AOD
 HEAT TREATMENT : SOLUTION ANNEALED AT 1050° C AND WATER QUENCHED
 DIMENSIONS : CONFIRM WITH THE SPECIFICATIONS
 SURFACE INSPECTION : SATISFACTORY
 PMI : NO OBJECTION (100% TESTED)
 INTER GRANULAR KORROSION TEST : PASSED IGC TEST IN ACCORDANCE WITH A262 PRACTICE E
 MICRO OBSERVATION : NO CARBIDE PRECIPITATION OBSERVED ON THE GRAIN BOUNDARIES
 RADIOACTIVITY TEST : ALL THE ABOVE MATERIAL ARE TESTED FOR RADIOACTIVITY AND FOUND THAT THERE IS NO RADIO ACTIVE CONDAMINATION.
 WE CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIES WITH THE ORDER/CONTRACT AND IS OF INDIAN ORIGIN.
 After Solution Annealing Hardness found less than HRC 22 (237 BHN) according to "NACE MR-01.75-2002"

[Signature]
INSPECTORS STAMP

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL



[Signature]
WORKS AUTHORISED INSPECTOR

REV 0

01.04.02

QAE/FR/12

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