

Material Test Report

Customer: F&G Industries
Customer PO: FNG25061001

Date: 07/01/2025
F&G Order: FNG25061001

Ship To: F&G Industries
 1980 Post Oak Blvd Ste 200
 Houston, TX 77056

| Product Details | | | | | | |
|-----------------|------|-------|------------|----------|----------|-----------|
| Part Number | Size | Class | Connection | Item | Material | Heat Code |
| 105091030400 | 1/2 | 3M | THRD | 90 Elbow | A105N | 12503027A |

| Chemical Composition (%) | | | | | | | | | | |
|--------------------------|------|------|-------|-------|------|-------|------|-------|-------|------|
| C | Mn | Si | P | S | Cr | Ni | Cu | Mo | V | CE |
| 0.18 | 0.94 | 0.24 | 0.007 | 0.005 | 0.06 | 0.019 | 0.02 | 0.004 | 0.003 | 0.35 |

| Physical Properties | | | | | |
|---------------------|-------|-------|----|-------------|------------|
| Tensile | Yield | Elong | Z | HB | Normalized |
| 497 | 350 | 33.5 | 67 | 139/137/140 | 950 °C |

| Quality Statements |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 1. The material supplied is in accordance with NACE MR0175/ISO 15156-2/3:2020. 2. The products supplied are in accordance with purchase order specifications. 3. The products supplied were manufactured in accordance with EN 10240:2004 and ISO 10474:2013-3.1. 4. Elongation test results are obtained using the standard round specimen of 2 in or 50 mm gauge length. 5. Any intentional falsification, concealment, or misrepresentation of information, including signatures or company logos on this report, is strictly prohibited and may be subject to penalties under applicable federal law. |

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by 
 Raymond Xu
 Director of QC