

SuperGlaze® TIG 5554

CLASSIFICATION

| | | | |
|------------------|---------|---------------|---|
| AWS 5.10 | R5554 | A-Nr | - |
| ISO 18273 | Al 5554 | F-Nr | |
| | | Mat-Nr | |

GENERAL DESCRIPTION

SHIELDING GASES (ACC. ISO 14175)

| | |
|-----------|----------------------------|
| I1 | : Inert gas Ar (100%) |
| I3 | : Inert gas Ar+ 0.5-95% He |
| Flow Rate | : 8 - 15 L/min |

APPROVALS

ABS

+

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

| Al | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Be |
|------|-----------|----------|----------|---------|---------|-----------|-----------|-----------|-------------|
| bal. | max. 0.25 | max. 0.4 | max. 0.1 | 0.5-1.0 | 4.7-5.5 | 0.05-0.20 | max. 0.25 | 0.05-0.20 | max. 0.0003 |

Notes : *Unspecified elements should not exceed a total of 0.15%*

MECHANICAL PROPERTIES. TYPICAL. ALL WELD METAL

| | Shielding gas | Condition | Yield strength (N/mm ²) | Tensile strength (N/mm ²) | Elongation (%) |
|-----------------------|---------------|-----------|-------------------------------------|---------------------------------------|----------------|
| Typical values | I1 | AW | 125-145 | 275-295 | 17-25 |

PHYSICAL PROPERTIES

| | |
|---------------|----------------------------|
| Melting range | : 562 - 633°C |
| Density | : approximately 2660 kg/m3 |

APPLICATIONS

Structural frames in the shipbuilding industry
Furnitures. Storage tanks
Railway Industry

Automotive and trailer Industry
Formed truck panels
Automotive bumpers and supports

PACKAGING AND AVAILABLE SIZES

| Diameter (mm) | 1.6 | 2.0 | 2.4 |
|--------------------|-----|-----|-----|
| 5 kg cardboard box | X | X | X |

Superglaze® TIG 5554 rev. C-EN01-01/02/16