



DECLARATION OF PERFORMANCE

- No.: 742
Revision Date: 02.12.2024
1. **Unique identification code of the product-type:** »MEGAFIL 742 M« (EN ISO 18276-A: T 69 6 Mn2NiCrMo M M21 1 H5)
2. **Intended use:** Filler material to be used for fusion welding of metallic structures or composite metal and concrete structures in construction works.
3. **Manufacturer:** ITW Welding GmbH,
Spechtal 1a,
D-67317 Altleiningen,
Germany
4. **System of AVCP:** 2+
5. **Harmonised standard:** EN 13479: 2017
Notified body: TÜV Rheinland Industrie Service GmbH,
Am Grauen Stein,
D-51105 Köln,
Germany
- Identification number of the notified body: 0035

Essential Characteristics:	Performance:	Harmonised Technical Specifications:
Chemical composition of the pure weld metal % (m/m)	Mn=1,4-2,0; Si≤0,90; Ni=1,8-2,6; Cr=0,3-0,6; Mo=0,3-0,6;	EN 13479: 2017; EN ISO 18276-A:2024

Noncommittal additional information provided by the manufacturer:

Usable shielding gases: M21

Characteristics:	Performance:	Classification standard:
Minimum yield strength of the pure weld metal [MPa]:	≥690MPa	EN ISO 18276-A:2024
Tensile strength of the pure weld metal [MPa]:	770-940MPa	EN ISO 18276-A:2024
Minimum elongation at fracture of the pure weld metal [%]:	≥17%	EN ISO 18276-A:2024
Temperature for average minimum impact energy of the pure weld metal [°C, J]:	-60°C, ≥47J	EN ISO 18276-A:2024

For detailed information on hazardous substances, see Safety Data Sheet at: www.elgawelding.com

The performance of the product identified above is in conformity with the set of declared performance/s.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011,
under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Rainer Dörner (Authorized signatory), Michael Mayer (Authorized signatory)

At Altleiningen, on 02 December 2024