



DECLARATION OF PERFORMANCE

- No.: 281
 Revision Date: 05.04.2024
1. Unique identification code of the product-type: »MEGAFIL 281 M« (EN ISO 17632-A: T 46 6 Z 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
6. Declared performances:

Essential Characteristics:	Performance:	Harmonised Technical Specifications:
Chemical composition of the pure weld metal % (m/m)	*)	EN 13479: 2017; EN ISO 17632-A:2015

*) agreed composition - Two electrodes with the same Z-grading cannot be exchanged with each other!

Noncommittal additional information provided by the manufacturer:

Usable shielding gases:

M21

Characteristics:

Minimum yield strength of the pure weld metal [MPa]:

Performance:

≥460MPa

Classification standard:

EN ISO 17632-A:2015

Tensile strength of the pure weld metal [MPa]:

530-680MPa

EN ISO 17632-A:2015

Minimum elongation at fracture of the pure weld metal [%]:

≥20%

EN ISO 17632-A:2015

Temperature for average minimum impact energy of the pure weld metal [°C, J]:

-60°C, ≥47J

EN ISO 17632-A:2015

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)

[Handwritten signatures of Rainer Dörner and Michael Mayer]

At Altleiningen, on 05 April 2024