



WELDING PERFORMANCE
YOU CAN TRUST

KARITO

ER70S-6

MIG WELDING WIRE

Engineered for Consistency.
Built for Performance.



LOW SPATTER

Cleaner welds,
less rework



SMOOTH FEEDING

Consistent wire feed
for higher productivity



STABLE ARC

Excellent arc stability
in all positions



EXCELLENT BEAD APPEARANCE

Uniform bead with
superior finish

APPLICATIONS

- Structural Fabrication
- Automobile Components
- Sheet Metal Fabrication
- General Engineering
- Heavy Equipment Manufacturing
- Pipeline & Pressure Vessels

AVAILABLE SIZE

DIAMETER	PACKAGING
0.80 mm	15 kg Spool



QUALITY ASSURED

Tested by
National Test House
(Government of India)



CONSISTENT QUALITY

Strict manufacturing
and process control



TRUSTED PERFORMANCE

Engineered for durability.
Welded for strength.

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KARITO ER70S-6 MIG WELDING WIRE

KARITO ER70S-6 MIG wire is a copper coated solid wire for GMAW welding of carbon and low alloy steels. It is designed to provide excellent arc stability, low spatter, smooth metal transfer, and superior mechanical properties.

MECHANICAL PROPERTIES (TYPICAL VALUES)

 YIELD STRENGTH (0.2% OFFSET) 476.82 MPa REQUIREMENT ≥ 400 MPa	 TENSILE STRENGTH 576.38 MPa REQUIREMENT ≥ 490 MPa	 ELONGATION 26.46 % REQUIREMENT ≥ 22%	 IMPACT VALUE (ALL WELD METAL) AT -30°C 70.66 JOULE REQUIREMENT ≥ 27 J
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All mechanical properties as per NTH test results. Meets the requirements of IS 6419:1996 (Amendment No. 2 – January 2025) for classification S4 C 504, Size 0.80 mm. **(PASS)**

CHEMICAL COMPOSITION (TYPICAL, % BY WEIGHT)

C	Mn	Si	S	P	Cr	Cu
0.10	1.55	0.81	0.013	0.023	0.017	0.07

Typical values as per NTH chemical analysis.

WELDING PERFORMANCE

- ✓ Suitable for DC (EN) / DCEP polarity
- ✓ Stable arc with excellent puddle control
- ✓ Low spatter with smooth, consistent bead
- ✓ Easy slag removal and clean weld finish
- ✓ Suitable for single & multi-pass welding



TESTED & CERTIFIED BY
NATIONAL TEST HOUSE
(GOVERNMENT OF INDIA)

Test Certificate No. : NTH(NR)/NDT/26/20504
ULR No. : TC687026900001076F
Date of Issue : 13 March, 2026
Result : **PASS**



SCAN TO VIEW
COMPLETE NTH REPORT

GET IN TOUCH

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