

Quality Certification

Customer: WELDSOLUTIONS **Certificado #** VRLAB.87 23/05/005 **Product:** ER70S6045X15
Quantity: 20,520.00 Kgs **Specification:** ASME/A WS A5.18 **Date of Production:** 12-MAYO 2023

Typical Chemical Composition (%)

| | | | C | Mn | Si | P | S | Cu | Ni | Cr | Mo | V |
|-------------|---------------|---------------------|-----------|-----------|-----------|------------|-----------|----------|----------|----------|----------|----------|
| SIZE | LOTE # | Unite weight | 0.06-0.15 | 1.40-1.85 | 0.80-1.15 | 0.025 Max. | 0.035 Max | 0.50 Max | 0.15 Max | 0.15 Max | 0.15 Max | 0.03 Max |
| 0.045" | 23055003 | 15 Kgs/spool | 0.071 | 1.49 | 0.87 | 0.014 | 0.015 | 0.032 | 0.038 | 0.042 | 0.002 | 0.005 |

Test of Mechanical Property

Impact Test

| SIZE | Unite weight | Yield Strength (MPa) | Tensile Strength (MPa) | Elongation (%) | Temperature (°C) | Impact value (j) |
|--------|--------------|----------------------|------------------------|----------------|------------------|------------------|
| | Standard | 400 min | 490 min | 22 min | -30 | 27 min |
| 0.045" | 15 Kgs/spool | 425 | 533 | 27.3 | -30 | 101 |

AWS A5.18