

# LNM 420FM

## CLASSIFICATION

EN 14700 S Fe8 Mat-Nr 1.4718

## GENERAL DESCRIPTION

Solid wire for wear resistant overlays  
 High resistance against corrosion, abrasion and impact deformation  
 Hardness approximately 55-60HRC  
 Optimal weldability  
 Ferritic and martensitic structure

## WELDING POSITIONS (ISO/ASME)



PA/1G



PB/2F



PC/2G



PD/4F



PE/4G



PF/3Gu

## SHIELDING GASES (ACC. ISO 14175)

M21 : Mixed gas Ar+ >15-25% CO<sub>2</sub>

## CHEMICAL COMPOSITION (W%) TYPICAL WIRES

| C   | Mn  | Cr  | Si  |
|-----|-----|-----|-----|
| 0.5 | 0.4 | 9.0 | 3.0 |

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

2 Layers, AW  
 heat resistant to 450°C

Typical hardness values  
 : approx. 60 HRC

## APPLICATION

Dies  
 Matrix  
 Parts for agricultural machinery  
 Transport rolls  
 Sand pumps

## PACKAGING AND AVAILABLE SIZES

| Diameter [mm]    | 1.0 | 1.2 |
|------------------|-----|-----|
| 15 kg spool B300 | X   | X   |

Other sizes and packaging on request

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