

AI-17600MC

Seamless, Metal-Cored Hardfacing MIG Wire, 600HB

Specifications

DIN 8555: MSG 6-GF-60-GP

EN 14700: T Fe 8

Description

AI-17600MC is a premium seamless gas-shielded cored wire for the hardfacing of parts subject to the combination of extreme impact, pressure, and abrasive wear.

AI-17600MC is an example of an innovative, tailor-made product – developed to optimally fulfill requirements in the waste & recycling industry. It is a seamless, copper-coated, gas-shielded cored wire which exhibits exceptional ease of use for manual welding. It can be used in all welding positions and has excellent characteristics for the robotic welding of new and worn equipment.

When overlay welding onto 350 grade base material, a crack-free deposit with hardness of 55 HRC is already obtained in the first layer, increasing to 57-62 HRC with the following layers. As such, the full weld overlay thickness exhibits consistent high wear resistance, extending the useful life of the hardfacing.



Applications

Shredders	Crushers	Separators
Mixers	Earth-Moving Equipment	Ground-Engaging Tools
Hammers	Screws	Points & tips

Typical Weldmetal Analysis

C	Mn	Si	Cr	Fe
0.45	0.40	3.00	9.00	Bal

TECHNICAL DATASHEET

Mechanical Property of Weld Metal	As Welded
Machineability	Grinding, difficult to machine
Hardness (Undiluted)	57-62HRc (mixed gas)
Microstructure	Martensite

Weld Instructions

Shielding Gas (EN ISO 14175): M21

82% Ar + 18% CO₂

Diameter (mm)	Current type	Amps	Volts	Stick-out (mm)
1.2	DC (+)	150-250	21-28	15-20
1.6*	DC (+)	180-300	24-30	15-20

Available Forms

Form	Diameter	Pack Size	Stock Code
GMAW	1.2mm	16kg Wire Basket Spool	AI-17600MC-12
GMAW	1.6mm	16kg Wire Basket Spool	AI-17600MC-16

Disclaimer

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