



ENAR WELD BRAZE PVT. LTD

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ENAR – EWMR P20

Classifications:

Werkstoff: 1.2330

AISI: P20

Typical Chemistry Composition of Weld Deposit:

C	Si	Mn	P	S	Cu	Cr	Mo
0.35	0.50	0.80	<0.025	<0.025	<0.25	1.70	0.45

Description:

- EWMR P20 TIG/MIG is a specially formulated alloy tool-steel wire that produces dense, fine grained, heat treatable deposits pre-hardened for P20 grade Plastic Mould Steels.
- Outstanding characteristics of EWMR P-20 Weld Deposits are its machinability, polishability and excellent texturing capability. It also provides uniform chrome plating properties.
- Deposits obtained are approximately 34-38 HRC as applied and can be flame hardened to 58 HRC with almost no hardness drop-off across the entire width and depth of the weld.

Typical Applications:

It is commonly used for repairs and alterations to standard, premium and modified grades of pre hardened AISI P-20 Plastic Mould Steels for Dies, Moulds and Holder Blocks used in compression or injection moulding of ABS, Thermosetting, SMC, GMT, Flax PP and Transparent melts.

Typical Mechanical Properties:

Yield Strength
(Mpa)
min. 900

Tensile Strength
(Mpa)
min. 1050

Hardness
(HRC)
58