

PRODUCT OVERVIEW

PolyStel 21 has excellent resistance to many forms of chemical and mechanical degradation over a wide temperature range. PolyStel 21 is an excellent alloy for corrosion resistance, galling, cavitation, and metal to metal wear resistance.

APPLICATION

Typical applications include steam valves, hot shears, chemical and petrochemical valves, cavitation repair, and forging dies.

SIZES AND PACKAGING

Diameter	Packaging
.035" (.09mm)	Various
.045" (1.2mm)	Various
.062" (1.6mm)	Various
.080" (2.3mm)	11 lb (5.0 kg)
.093" (2.4mm)	11 lb (5.0 kg)
.125" (3.2mm)	11 lb (5.0 kg)
.157" (4.0mm)	11 lb (5.0 kg)
.187" (4.8mm)	11 lb (5.0 kg)
.197" (5.0mm)	11 lb (5.0 kg)

PolyStel 21 CHEMISTRY, PERFORMANCE, AND SPECIFICATIONS

This alloy conforms to AWS 5.21 ERCoCr-E chemical composition requirements.

Specifications

⇒ AWS 5.21 ERCoCr-E

RECOMMENDED WELDING PARAMETERS

Diameter	Current	Voltage	Amperage
.125" (3.2mm)	DC-	-	115-135

The properties listed are typical and not to be construed as guaranteed values. Actual properties may vary depending on customer operating conditions. Polymet makes no warranties of merchantability and fitness for a particular purpose, except as expressly stated in Polymet's terms and conditions.