

IBFe20

Is used for highly wear resistant buildups on machine parts and tools subject to heavy abrasion and compression combined with moderate impact at elevated temperatures, such as slide, guide and sealing surfaces.

Low wear when using fiber-glass re-enforced plastics.

Workable by grinding with tungsten carbide tools

Recommended for basic materials:

1.2082, 1.2083, 1.2311, 1.2312, 1.2343, 1.2344, 1.2367-2606, 1.2764 – 2767, 1.2842

Rework:

The weld can be heat treated, nitrated, chrome-plated
CVD coated, polished and machined

Material analysis:

C	Si	Mn	Cr	Mo	Ti	Fe
0,35	0,3	1,2	7,0	2,0	0,3	Rest

(test certificates upon request.)

Standard / Mechanical values:

Ø	N / mm ²	elongation AL100	Items on stock	
			rods	spools
0,2	173	1,80	X	X
0,25	-	-	-	-
0,3	1242	2,50	X	X
0,4	1061	2,50	X	X
0,5	1207	3,30	X	X
0,6	1096	3,30	X	X
0,7	-	-	-	-
0,8	935	2,70	X	X