

## 2.4619

<b>Material No.</b>	2.4619
<b>EN symbol (short)</b>	NiCr22Mo7Cu
<b>AISI /SAE</b>	G-3
<b>UNS</b>	N 06985
<b>AFNOR</b>	—
<b>B.S.</b>	—
<b>alloy</b>	alloy G-3
<b>Registered work's label</b>	Inconel® G-3, Microfer® 4823hMo, Hastelloy® alloy G-3
<b>Standards</b>	—

### DESCRIPTION

Material 2.4619 (alloy G-3) is a chemically stable and high-temperature resistant alloy, which is well weldable and has a good stability against grain border corrosion in welded condition. Alloy 2.4619 (alloy G-3) is used in flue gas scrubbers, and with phosphoric and sulphuric acid.

Our product range in 2.4619 (alloy G-3) are tubes and pipes, fittings and flanges, accessories.

### CHEMICAL COMPOSITION <sup>1</sup>

C ≤ %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo %	Ni %	V %
0,015	1,5	1,0	0,025	0,015	21,0-23,5	6,0-8,0	rest	
Nb <sup>2</sup> %	Ti %	Al %	Co ≤ %	Cu %	N %	Fe %	Ce %	W ≤ %
0,5			5,0	1,5-2,5		18,0-21,0		1,5

<sup>1</sup> in accordance with Key to Steel 2001 <sup>2</sup> Nb+Ta

### SPECIAL CHARACTERISTICS

Temperature range	Density kg/dm <sup>3</sup>	Hardness
annealed typically up to 600°	8,14	

### WELDING FILLER

covered rod electrode 2.4621

### MAIN FIELDS OF APPLICATION (depending on the specific conditions of use)

flue gas scrubbers, chemical industry, phosphoric acid, sulphuric acid, acetic acid, petrochemical plants, production of fertilisers

(all aforementioned specifications serve as a general orientation and have to be reviewed depending on the specific conditions of use)