

Alloys Name		HASTELLOY G-3		
UNS Number	N06985	Density(g/cm <sup>3</sup> )		8,30
<b>Chemical Composition(%)</b>	Carbon	0.015 max		
	Chromium	21 - 23,5		
	Cobalt	5 max		
	Copper	1.5 - 2.5		
	Iron	18 - 21		
	Manganese	1 max		
	Molybdenum	6 - 8		
	Nickel	Balance		
	Niobium+Tantalum	0.5 max		
	Phosphorus	0.04 max		
	Silicon	1 max		
	Sulphur	0.03 max		
Tungsten	1.5 max			
<b>Mechanical Property(Normal Temperature)</b>				
Condition	Tensile Strength 100psi(Mpa)	Yield Strength 100psi(Mpa)	Hardness Brinell (Rockwell)	
Annealed	99,0(68,3)	44,0(303)	158(B-83)	
<b>Specification</b>	HASTELLOY(r) G-3 alloy Nickelvac HG-3(tm) Microfer 4823 hMo(tm) ASTM B581 ASTM B582 ASTM B619 ASTM B622 ASTM B626 DIN 2.4619 UNS N06985			
<b>Description/Applications</b>	* Improved version of alloy G with better fabricability & Weldability. * Applications include sulfuric and phosphoric acid equipment, flue gas desulfurization systems and gas scrubbers.			