Data Sheet:

HOKOTOL

Alumeco A/S

Internal alloy name: HOKOTOL

International alloy name: HOKOTOL

Alloy type: Heat treatable alloy

Main usage:

- Machining
- Machinery
- Forgings
- Tools
- Heavy duty structures

Main properties:

- Very good workability
- Good machinability
- High strength

Important norms and literature:

Rolled products:
EN485-1: Technical conditions for inspection and delivery
Mechanical properties: Supplier datasheet
EN485-3: Tolerances on dimensions and form hot rolled products

Chemical composition:
Supplier datasheet

Chemical composition. Supplier datasheet

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr	Other Elements	
									Each	Together
0-0,30	0-0,35	1,5-2,6	0-0,1	1,8-2,6	0-0,05	5,7-7,6	0-0,06	0,08-0,25	0-0,05	0-0,15

Typical mechanical properties. Supplier datasheet

Thickness (mm)	Rm MPa	$Rp_{0,2}$ MPa	A_{50} %	Hardness* HB
100	Min. 550	Min. 495	4,0	180
200	Min. 500	Min. 430	1,0	180
300	Min. 460	Min. 400	1,0	180
400	Min. 450	Min. 390	1,0	180

* Information values only;

Physical properties: Supplier datasheet

Density g/cm³	Electrical conductivity %IACS	Thermal conductivity W/m K	Thermal expansion (µm m^{-1} K^{-1})	E - modulus (N / mm^2)
2,83	39,7	154	23,5	72,300

Properties and information's (3 high/good; 2 Middle; 1 Poor/bad)

Resistance:
Corrosion index, general: 1
Marine Atm. Corr index: 1

Hot workability:
Extrusion: 2
Forging: 2

Cold formability:
Cold formability general: 1
Deep drawing: 1
Bending: 2

Weldability
TIG welding: 1
MIG welding: 1

Solderability
Brazability index: 1
Solderability index: 1

Machinability
Machinability index: 3

Tips on machinability:

Anodizing:
Decorative anodizing surface treatment: 1
Protective anodizing index: 2
Hard anodizing: 2
Color anodizing: 1

General Information: