

<b>Data Sheet:</b>  <b>HOKOTOL</b>  Alumeco A/S		<b>Internal alloy name:</b> HOKOTOL  <b>International alloy name:</b> HOKOTOL  <b>Alloy type:</b> Heat treatable alloy								
<b>Main usage:</b> <ul style="list-style-type: none"> <li>• Machining</li> <li>• Machinery</li> <li>• Forgings</li> <li>• Tools</li> <li>• Heavy duty structures</li> </ul>		<b>Main properties:</b> <ul style="list-style-type: none"> <li>• Very good workability</li> <li>• Good machinability</li> <li>• High strength</li> </ul>								
		<b>Important norms and literature:</b>  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								
<b>Chemical composition. Supplier datasheet</b>										
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
<b>Typical mechanical properties. Supplier datasheet</b>										
Thickness (mm)		Rm MPa		Rp0,2 MPa		A <sub>50</sub> %		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;										
<b>Physical properties: Supplier datasheet</b>										
Density g/cm <sup>3</sup>		Electrical conductivity %IACS		Thermal conductivity W/m K		Thermal expansion (µm m <sup>-1</sup> K <sup>-1</sup> )		E - modulus (N / mm <sup>2</sup> )		
2,83		39,7		154		23,5		72,300		
<b>Properties and information's (3 high/good; 2 Middle; 1 Poor/bad)</b>										
<u>Resistance:</u> Corrosion index, general: 1 Marine Atm. Corr index: 1  <u>Hot workability:</u> Extrusion: 2 Forging: 2  <u>Cold formability:</u> Cold formability general: 1 Deep drawing: 1 Bending: 2		<u>Weldability</u> TIG welding: 1 MIG welding: 1  <u>Solderability</u> Brazability index: 1 Solderability index: 1		<u>Machinability</u> Machinability index: 3  <u>Tips on machinability:</u>			<u>Anodizing:</u> Decorative anodizing surface treatment: 1 Protective anodizing index: 2 Hard anodizing: 2 Color anodizing: 1  <u>General Information:</u>			