

## Alnico sintered - Technical Specifications

### Delivery Programme

	Material	Remanence		Coercitivity				Energy Product		Density	Tc	Tc/Br
		Br		bHc		iHc		(BH)max				
		mT	G	kA/m	Oe	kA/m	Oe	kJ/m <sup>3</sup>	MGOe			
Isotropic	<b>FLN 8</b>	>520	>5200	>40	>500	>43	>540	>12	>1,5	6,8	760	-0.022
	<b>FLNG 12</b>	>700	>7000	>40	>500	>43	>540	>13	>1,6	7,0	810	-0.014
	<b>FLNG 14</b>	>500	>5000	>60	>750	>52	>770	>14	>1,8	7.1	850	-0.02
	<b>FLNG 18</b>	>650	>6500	>80	>1000	>82	>1030	>18	>2,3	7.2	850	-0.02
	<b>FLNGT 14</b>	>570	>5700	>76	>950	>78	980	14 - 16	1,75 - 2,0	7.1	850	-0.02
	<b>FLNGT 18</b>	>560	>5600	>88	>110	>90	1130	18 - 22	2,25 - 2,75	7,2	850	-0.02
Anisotropic	<b>FLNG 26</b>	>900	>9000	>44	> 700	>58	>730	>26	>3,3	7.2	850	-0.016
	<b>FLNG 28</b>	>1050	>10500	>46	>580	>47	>590	>28	>3,5	7,2	850	-0.016
	<b>FLNG 34</b>	>1120	>11200	>47	>591	>48	>603	>34	>4,27	7,2	890	-0.016
	<b>FLNGT 28</b>	>780	>7800	>100	>1250	>52	>660	>28	>3,5	7,2	850	-0.02
	<b>FLNGT 31</b>	>780	>7800	>100	>1250	>102	>1280	>28	>3,5	7,2	850	-0.02
	<b>FLNGT 33J</b>	>650	>6500	>135	1700	>150	1880	33 - 36	4,15 - 4,5	7,2	850	-0.02
	<b>FLNGT 36</b>	>680	>6800	>136	>1700	>138	>1738	>36	>4,6	7,2	850	-0.02
	<b>FLNGT 38</b>	>800	>8000	>120	>1500	>121	>1525	>38	>4,75	7,2	850	-0.02
	<b>FLNGT 42</b>	>880	>8800	>120	>1500	>122	1530	42 - 48	5,3 - 6,0	7,25	850	-0.02

- Other material qualities on request -

#### Physical Properties:

Reversible Permeability:  $\mu_r$  2,5... 5,0 G/Oe  
 Max. Operating Temperature: **T<sub>w</sub>** ~ 550°C  
 Curie - Temperature: **T<sub>c</sub>** ... see above

CH/31.08.06/e