Alnico sintered - Technical Specifications

Delivery Programme

	Material	Remanence Br		Coercitivity bHc		Coercitivity iHc		Energy Product (BH)max		Density	Tc	Tc/Br
		mT	G	kA/m	Oe	kA/m	Oe	kJ/m3	MGOe	g/cm3	°C	%/°C
Isotropic	**FLN 8**	>520	>5200	>40	>500	>43	>540	>12	>1,5	6,8	760	-0.022
	FLNG 12	>700	>7000	>40	>500	>43	>540	>13	>1,6	7,0	810	-0.014
	FLNG 14	>500	>5000	>60	>750	>52	>770	>14	>1,8	7.1	850	-0.02
	FLNG 18	>650	>6500	>80	>1000	>82	>1030	>18	>2,3	7.2	850	-0.02
	FLNGT 14	>570	>5700	>76	>950	>78	980	14 - 16	1,75 - 2,0	7.1	850	-0.02
	FLNGT 18	>560	>5600	>88	>110	>90	1130	18 - 22	2,25 - 2,75	7,2	850	-0.02
Anisotropic	**FLNG 26**	>900	>9000	>44	> 700	>58	>730	>26	>3,3	7.2	850	-0.016
	FLNG 28	>1050	>10500	>46	>580	>47	>590	>28	>3,5	7,2	850	-0.016
	FLNG 34	>1120	>11200	>47	>591	>48	>603	>34	>4,27	7,2	890	-0.016
	FLNGT 28	>780	>7800	>100	>1250	>52	>660	>28	>3,5	7,2	850	-0.02
	FLNGT 31	>780	>7800	>100	>1250	>102	>1280	>28	>3,5	7,2	850	-0.02
	FLNGT 33J	>650	>6500	>135	1700	>150	1880	33 - 36	4,15 - 4,5	7,2	850	-0.02
	FLNGT 36	>680	>6800	>136	>1700	>138	>1738	>36	>4,6	7,2	850	-0.02
	FLNGT 38	>800	>8000	>120	>1500	>121	>1525	>38	>4,75	7,2	850	-0.02
	FLNGT 42	>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:	μ_r	2,5… 5,0 G/Oe
Max. Operating Temperature:	**Tw**	~ 550°C
Curie - Temperature:	**Tc**	… see above

CH/31.08.06/e