Grades according to standards

GO

- Guaranteed values
- Typical values
- Correlation table
- Conversion table of units
- Dimensions
- Geometric tolerances
- Tolerances
- Insulation coating
- Packing
- Typical physical properties
- Further processing hints
- Process flowsheet

- Back
- Main menu

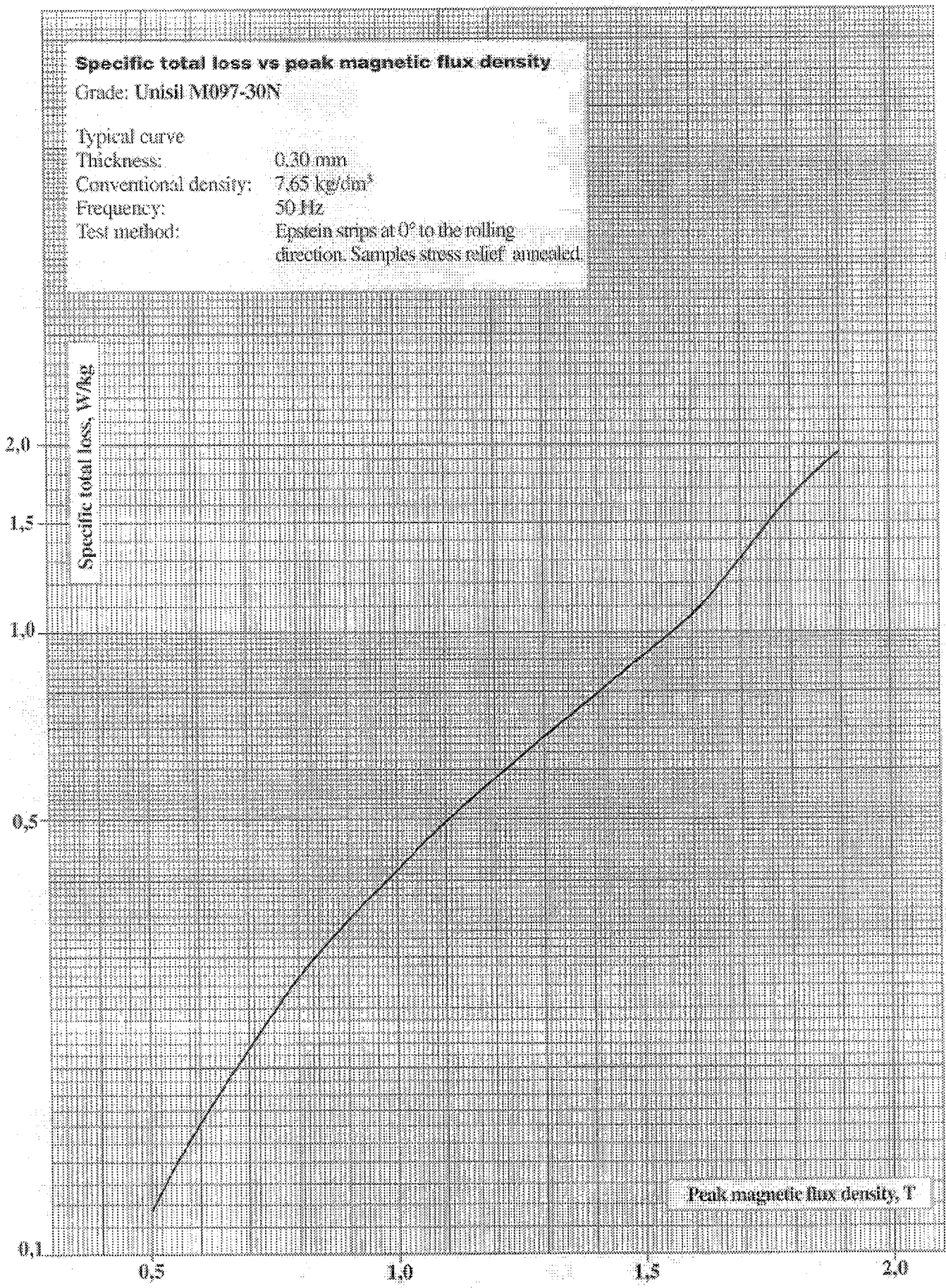
according to EN 10107 : 1995

Grade	thickness	max. $P_{1,5}$				max. $P_{1,7}$				min.	min. stacking factor	Grade PowerCore
		50Hz W/kg	50Hz W/lb	60Hz W/kg	60Hz W/lb	50Hz W/kg	50Hz W/lb	60Hz W/kg	60Hz W/lb	J800 T		
	mm											
M120-23S	0,23	0,77	0,35	1,01	0,46	1,20	0,54	1,57	0,71	1,78	0,945	C 120-23
M080-23N	0,23	0,80	0,36	1,06	0,48	1,27	0,58	1,65	0,75	1,75	0,945	C 127-23
M130-27S	0,27	0,85	0,39	1,12	0,51	1,30	0,59	1,68	0,76	1,78	0,950	C 130-27
M089-27N	0,27	0,89	0,40	1,17	0,53	1,40	0,64	1,85	0,84	1,75	0,950	C 140-27
M140-30S	0,30	0,92	0,42	1,21	0,55	1,40	0,64	1,83	0,83	1,78	0,955	C 140-30
M097-30N	0,30	0,97	0,44	1,28	0,58	1,50	0,68	1,98	0,90	1,75	0,955	C 150-30 ≙ VH 097-030
M150-35S	0,35	1,05	0,48	1,38	0,63	1,50	0,68	1,98	0,90	1,78	0,960	C 150-35
M111-35N	0,35	1,11	0,50	1,46	0,66	1,65	0,75	2,18	0,99	1,75	0,960	C 165-35

(P-values for 60Hz informative)

according to IEC 60404-8-7 Second edition 1998

Grade	thickness	max. $P_{1,5}$				max. $P_{1,7}$				min.	min. stacking factor	Grade PowerCore
		50Hz W/kg	50Hz W/lb	60Hz W/kg	60Hz W/lb	50Hz W/kg	50Hz W/lb	60Hz W/kg	60Hz W/lb	J800 T		
	mm											
M120-23S5	0,23	0,77	0,35	1,01	0,46	1,20	0,54	1,57	0,71	1,78	0,945	C 120-23
M127-23S5	0,23	0,80	0,36	1,06	0,48	1,27	0,85	1,65	0,75	1,75	0,945	C 130-23
M130-27S5	0,27	0,85	0,39	1,12	0,51	1,30	0,59	1,68	0,76	1,78	0,950	C 130-27
M140-27S5	0,27	0,89	0,40	1,17	0,53	1,40	0,64	1,85	0,84	1,75	0,950	C 140-27
M140-30S5	0,30	0,92	0,42	1,21	0,55	1,40	0,64	1,83	0,83	1,78	0,955	C 140-30
M150-30S5	0,30	0,97	0,44	1,28	0,58	1,50	0,68	1,98	0,90	1,75	0,955	C 150-30


Specific total loss vs peak magnetic flux density
Grade: Unisil M097-30N
Typical curve
Thickness: 0.30 mm
Conventional density: 7.65 kg/dm³
Frequency: 50 Hz
Test method: Epstein strips at 0° to the rolling direction. Samples stress relief annealed.
Specific total loss, W/kg
2,0
1,5
1,0
0,5
0,1
0,5
1,0
1,5
2,0
Peak magnetic flux density, T