

Width mm	Thickness mm	TOLERANCE				
		Thickness mm	Deviation of thickness in transverse direction mm	Width mm	Camber in any 2 metres (Slit Products) mm	Shear Burr mm
150 or under	0.18	+0.02	0.02 or under	+0.20	1.0 or under	0.04 or under
	0.20	+0.02				
	0.23	+0.02				
	0.27	+0.03				
	0.30	+0.03				
0.35	+0.03					
over 150 to 400	0.18	+0.02	0.02 or under	+0.30		
	0.20	+0.02				
	0.23	+0.02				
	0.27	+0.03				
	0.30	+0.03				
0.35	+0.03					
over 400 to 750	0.18	+0.02	0.03 or under	+0.50		
	0.20	+0.02				
	0.23	+0.02				
	0.27	+0.03				
	0.30	+0.03				
0.35	+0.03					
over 750	0.18	+0.02	0.03 or under	+0.60		
	0.20	+0.02				
	0.23	+0.02				
	0.27	+0.03				
	0.30	+0.03				
0.35	+0.03					

Note: Stipulation of camber shall be applied only for the steel strips (width 75mm over).

Besides the Watt Losses at specific flux densities of 1.5 T and 1.7 T CRGO manufacturers also give curves of indicating Watt Losses ad A.C. Magnetization at various flux densities. These curves are of immense help to Transformer designers, and available on request.

Conventional **CRGO** materials (M4, M5, M6) are used regularly for cores in Transformers. However recently due to environmental protection, energy savings are becoming a very important factor and minimizing core loss in Transformers is becoming a must. Nippon Steel Corporation has come out with low loss Hi-B materials, which guarantee low Watt Losses at 1.5 Tesla flux density. Such materials are called Hi-B materials. Table 3 gives magnetic properties of Hi-B material. Popular Hi-B grades used in India are 23 MOH & 27 MOH Watt.