

## LIST OF TABLES

---

---

<b>Table No.</b>	<b>Caption</b>	<b>Page No.</b>
Table 2.1.	A relative evaluation of the various techniques used for DRMMC development	21
Table 3.1.	Compositional details of commercial copper	57
Table 3.2.	Specification of reinforcing powders used in development of copper-based hybrid composites	58
Table 3.3.	The compositional details of copper-based hybrid composites	60
Table 3.4.	Compositional details of EN-31 hardened steel counter disc	69
Table 4.1.	Details of FWHM ( $\beta$ ) of the cast copper and binary reinforced hybrid composites with their respective peak positions and diffraction planes	85
Table 4.2.	Variation of experimental density, theoretical density, relative density, porosity and electrical conductivity of CC, HC-1, HC-2, HC-3 and HC-4	87
Table 4.3.	Details of the FWHM of the tertiary reinforced developed copper-based hybrid composites with their respective peak positions	99
Table 4.4.	Details of the crystallite size and strain of the cast copper and tertiary reinforced developed copper-based hybrid composites	99
Table 4.5.	Variation of experimental density, theoretical density, relative density, porosity and electrical conductivity of CC, HC-5, HC-6, HC-7 and HC-8	102
Table 4.6.	Comparative details of physical and mechanical properties of binary and tertiary reinforced copper-based hybrid composites	109