LIST OF TABLES

Table 2.1: Properties of diamond.................................................................5

Table 3.1: Materials used and their respective suppliers..................................33

Table 4.1: A summary of the infiltration results for uncoated diamond preforms (Temp = 1500 °C and time = 30mins).................................................................63

Table 4.2: A summary of the infiltration results for SiC-coated diamond preforms (Temperature = 1500° C and time = 30min).........................................................73