



Electronic Materials Information

Graphite

A Critical Materials Report

Prepared by
J. Housley of
Techcet Group LLC*

2007

Los Gatos, CA

408-358-3469

* www.techcet.com

Control#: GrpTC032007LS

Table of Contents

	Page #
EXECUTIVE SUMMARY	3
1 DISCUSSION.....	6
2 OEM PARTS AND COMPONENTS.....	9
3 THE MARKET.....	10
4 PYROLYTIC CARBON.....	17
5 THE PLAYERS.....	18
6 COMPETITNG GRAPHITE APPLICATIONS	23
7 CONCLUSION.....	24

Figures

Figure 1: Graphite Estimated Market Shares as a Percent of Total Revenue - 2006.....	12
Figure 2: Estimated Graphite Use by Percent of Total Revenue - 2006.....	13
Figure 3: Production Process.....	15
Figure 4: Tayo Tanso Semiconductor Applications	21

Tables

Table 1: Reasons for Past Graphite Market Cycles of Erosion and Recovery	10
Table 2: World Wide Graphite Market by Use (Semiconductor and related).....	11
Table 3: Selected Asian Estimated Market size (2006 estimates \$in M's)	13
Table 4: Taiwan Estimated Market shares, Graphite, 2006	14
Table 5: Projected Estimates for New OEM Tool Consumption.....	14
(as a percent of WW consumption).....	14
Table 6: Typical Production Lead Times.....	16

Readers note: this report represents the interpretation and analysis of information generally available to the public or released by responsible agencies or individuals. Data was obtained from sources considered reliable. However, accuracy or completeness is not guaranteed.