

STANDARD TEST METHOD

ASH CONTENT

This document is FMP Group (Australia) Pty. Ltd. information. Authorisation required from Product Engineering before issuing to a third party.

SCOPE:

This test is for determining the ash content of graphitic raw materials.

APPARATUS:

1. Previously ignited porcelain crucible. Dimensions: 50mm diameter, 32mm high.
2. Muffle furnace with free access of air. (heating capacity to 1200°C).
3. Balance accurate to 0.0001g.
4. Desiccator.

PROCEDURE:


1. Weigh a clean, dry crucible. (W1)
2. Unless otherwise specified, accurately weigh into the crucible an approximately 0.3 gram sample. (W2).
3. Ignite the crucible and contents in the muffle furnace until all combustible matter has been removed (950 C ± 25 C for 3 hours unless otherwise specified).

NOTE: Some materials will require more than 3 hours igniting time. In all cases ignite the crucible until all combustible particles are gone and only ash appears to remain.

4. Allow to cool slightly then place it in desiccator until cold.
5. Reweigh the crucible and contents (W3).

CALCULATION:

$$\text{Ash Content} = \frac{W3 - W1}{W2 - W1} \times 100\%$$

 <small>(Formerly Bendix Mintex Pty Ltd)</small>	WARNING: UNCONTROLLED COPY printed on 06/02/2003. Check for latest issue before use				
	ISS.	REVISION	DATE	DR.	AP'D
	3.	Retyped.	01.06.88	YP	LR
	4.	Revised	18.03.94	YG	LR
	5.	Converted from WordPerfect.	11.10.00	KS	LR
6.	Converted to Electronic Distribution	06.08.01			
					SHEET 1 of 1
					DRG. No. B8E1-8