

**AEROSPACE  
MATERIAL  
SPECIFICATION**

**SAE** AMS3677

REV. A

Issued 1992-01  
Reaffirmed 2005-05  
Stabilized 2011-08

Superseding AMS3677

Fabric, Polybenzimidazole (PBI) Polyamide Fiberglass  
Polytetrafluoroethylene (PTFE) Impregnated, Sintered

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

STABILIZED NOTICE

This document has been declared "Stabilized" by SAE AMS P, Polymeric Materials Committee, and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2011 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

**TO PLACE A DOCUMENT ORDER:** Tel: 877-606-7323 (inside USA and Canada)  
Tel: +1 724-776-4970 (outside USA)  
Fax: 724-776-0790  
Email: CustomerService@sae.org  
<http://www.sae.org>

**SAE WEB ADDRESS:**

**SAE values your input. To provide feedback  
on this Technical Report, please visit  
<http://www.sae.org/technical/standards/AMS3677A>**

## 1. SCOPE:

### 1.1 Form:

This specification covers a polybenzimidazole (PBI) polyamide fiberglass fabric impregnated with polytetrafluoroethylene (PTFE) in the form of woven sheet or strip or of braided tubing.

### 1.2 Application:

This fabric has been used typically for anti-chafing cushion between parts, such as flexible metal tubes and tube clips, rub strips, gaskets, and air seals, requiring long-term heat resistance up to 290 °C (554 °F), but usage is not limited to such applications.

### 1.3 Safety - Hazardous Materials:

While the materials, methods, applications, and processes described or referenced in this specification may involve the use of hazardous materials, this specification does not address the hazards which may be involved in such use. It is the sole responsibility of the user to ensure familiarity with the safe and proper use of any hazardous materials and to take necessary precautionary measures to ensure the health and safety of all personnel involved.

## 2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order.