

WOVEN THERMAL PROTECTION SYSTEMS

COMPOSITE PARTS FOR HIGH TEMPERATURE SPACE APPLICATIONS

Chosen by NASA to supply future thermal protection systems (TPS) for upcoming missions, Bally Ribbon Mills is a leader in manufacturing 3D woven preforms for high temperature space applications. Thermal protection systems must protect the structure and cryogenic fuel tanks of launch vehicles from extremely high temperatures during launch and entry. Utilizing woven thermal protection systems from Bally Ribbon Mills can lead to simplified and less maintenance intensive TPS than previous designs.



Bally Ribbon Mills Woven Thermal Protection Systems are:

- Readily producible
- Lightweight
- Operable
- Reusable

They are designed to meet mission specific requirements utilizing custom combinations of various fiber, including:

- Quartz
- Phenolic
- Ceramic
- Silicon carbide
- Carbon



ADVANCED PRODUCTS GROUP

23 North 7th Street • Bally, PA 19503 USA
Tel: 610-845-2211 • Fax: 610-845-8013
e-mail: APG@ballyribbon.com
www.ballyribbon.com