Advanced Bonding Technology

Aero-Tech is an advanced thermal bonding technology that combines specialty structural adhesives, wear resistant materials and controlled processing. Applications requiring high reliability, impact resistance, and wear protection are ideal candidates for Aero-Tech bonding solutions. Valuable features of Aero-Tech bonded materials include:

- Increased effective impact resistance of Durafrax®2000 fine grain 90% ceramic tile
- Unparalleled performance in dynamic applications
- Tested high sheer strength
- Proven performance in light weight designs
- Economical repair of worn components

Easy Integration Into Your System

Durafrax tiles can be successfully Aero-Tech bonded to many substrates. Carbon Steel is the most common, but aluminum and fiberglass are the materials of choice for application requiring light weight or non ferrous systems.

Quality Through Installation

One of the key components of the Aero-Tech system is properly designed, specified, and installed Durafrax tiles. Our application experience is unmatched in the Industry.

Contact one of our Application Engineers to see if Aero-tech bonding can help your application perform at a high rate of return.
We sell solutions

Analyzing a wear problem is a complex process. Wear is typically caused by a combination of temperature, raw material impingement, high velocity particles, abrasive slurries, and chemical attack. Our design engineers understand wear problems and specify materials to suit the operational environment. Material properties, engineering tolerances, attachment methods, and material costs are all considered in a Saint-Gobain wear solution.

Properties & Test Conditions Cont.,

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<td></td>
<td>250°F / 121°C – Static</td>
<td>3410 psi at 180°F / 23.53 MPa at 82°C</td>
<td>75°F / 24°C……5050/ 34.8</td>
<td>75°F / 24°C……150/ 650</td>
<td>75°F / 24°C……105/ 13.8</td>
<td>180°F / 82°C……160/ 690</td>
<td>250°F / 120°C …70/ 310</td>
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<td>1620 psi at 250°F /11.17 MPa at 120°C</td>
<td>180°F / 82°C……4120/ 28.4</td>
<td>250°F / 120°C……810 / 5.6</td>
<td>250°F / 120°C……810/ 5.6</td>
<td>250°F / 120°C …70/ 310</td>
<td>250°F / 120°C …59/ 10.4</td>
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