



# Performance Tapes Technical Application Solution



## Self-adhesive Heat Shields

<b>Industry Segment</b>	Automotive
<b>Application</b>	Heat shields are required in many applications to protect components from heat sources. Self-adhesive heat shields are laminated with pressure-sensitive adhesive (PSA). They are used in favor of mechanically fastened heat shields to accommodate slimmer design spaces, reduce rattle and to avoid extra tooling. The PSA must be able to keep the heat shield adhered to a variety of difficult to bond to substrates, while still being able to resist demanding and harsh environments. Specific applications include automotive and other motorized vehicles. The heat shields are typically used in gas tank, cabin exterior and wheel well areas.
<b>Material Laminated To</b>	Non-woven polyester and glass fiber composite with foil face
<b>Material Bonded To</b>	Polycarbonate, ABS, paint/powder coated metal, PP, PE
<b>The Technical Challenges</b>	The pressure-sensitive adhesive product must: <ul style="list-style-type: none"> <li>- Have a heavy adhesive mass for bonding to irregular or rough surfaces</li> <li>- Be resistant to heat, abrasion and chemicals</li> <li>- Convert easily</li> <li>- Feature excellent die cutting characteristics with tear resistant PP liner option</li> <li>- Bond to low surface energy substrates</li> <li>- Carry Automotive OEM specification</li> </ul>
<b>Products</b>	FT 3014, FT 3043, FT 1914 PP, FT 1943 PP, FT 1149X, FT 1124 12 Pt. Bd.
<b>Product Construction</b>	Transfer Tape (single- and double-liner options)
<b>Commercial or Developmental?</b>	Commercial
<b>Why We Won</b>	When you work with Avery Dennison solutions are never far away. That is because we have teams working at the global, regional and local levels—and you can leverage the expertise of all of them. You will work closely with dedicated technical resources backed by experts in the field, as well as the technical and R&D teams in our laboratories. All of our technical personnel have many years of experience in materials science, engineering and labeling, and draw from an 80-year tradition of innovation and service.

Please refer to [Tapes.AveryDennison.com](https://www.averydennison.com) for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

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