



SURFACE VEHICLE RECOMMENDED PRACTICE

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Softening Point of Interior Trim Adhesives

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Documents

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Foreword—This Document has not changed other than to put it into the new SAE Technical Standards Board Format.

1. Scope—This SAE Recommended Practice shall be used to determine the temperature at which an adhesive softens to the point at which it no longer can support a given load.

2. References

2.1 Related Publication—The following publications are provided for information purposes only and are not a required part of this document.

2.1.1 **ASTM PUBLICATION**—Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM D 816-82—Methods of Testing Rubber Cement

2.1.2 **OTHER PUBLICATIONS**

Adhesives Technology Handbook, Arther H. Landrock, Noyes Publications, 1985

3. Definitions

3.1 Softening Point—The temperature at which an adhesive will soften to the point where it will be unable to sustain a predetermined load.

3.2 Interior Trim Adhesives—Typically solvent or water based, or hot melts, these adhesives typically develop their strength with the application of heat, pressure, and/or time. They are applied to interior components such as door trim panels, arm rests, headlinings, etc.

3.3 Separation—The point at which the bonded substrates disconnect from one another at the adhesive.

3.4 Open Time—The interval of time between application of the adhesive on the adherent and completion of assembly of parts for bonding. During this period, the adhesive-coated surfaces are exposed to air before being assembled together.

3.5 Conditioning Time—The time interval between removal of the joint from conditions of heat and/or pressure used to accomplish the bonding and the attainment of approximately maximum-bond strength.