

ADHESIVE SYSTEMS

Application Instructions

To obtain a maximum bond, surfaces need to be smooth, non -porous, clean, dry and free of all debris, oils and solvents. Clean the surface with a low strength solvent such as isopropyl alcohol (rubbing alcohol) or heptane. Follow solvent manufacturer's precautionary warnings and suggested handling procedures when using solvents. Bend pad slightly grasping bumper on sides without touching the adhesive. Apply to surface with enough pressure to ensure a complete bond. Allow a dwell time of 24 hours before exposing to heavy force or weight. The composition of this product contains no migratory plasticizers of any kind, which would mar surfaces of contact. Users should evaluate the suitability of our Bumpers for a specific application under actual conditions.

BSI-94 High Performance Acrylic Adhesive (Must be specified when ordering.)

ADHESIVE TYPE: Solvent Based, Low Temperature, High Shear, Quick Stick

SUBSTRATE: 2 mils polyester substrate on a 90 lb release liner, PE coated, bleached, super-bright white Kraft liner.

TYPICAL PROPERTIES	
Static Shear Test	500+ hours* [PSTC**-07 Procedure A / ASTM*** B 3654]
Quick Tack-Stainless Steel	77 oz/in ² (338 g/cm ²)
Peel Adhesion	64 oz/in (714 g/cm) [PSTC-3** / ASTM*** D 3330]
Substrate:	Thickness Basis Weight Tensile Strength
	2 mils (50 microns) 10,000 in ² /lb (142,230 cm ² /kg) typical value 28,000 psi MD (1,900,000 g/cm ²)
Liner:	Thickness Basis Weight
	6.2 mils (158 microns) 92.0 lb (151 g/m ²)
Temperature:	Application End Use
	65°F — 150°F (18°C — 65.6°C) -40°F — 300°F (-40°C — 149°C)
Substrate Elongation	120% MD
Shelf Life	24 months based on accelerated aging
Storage	73.4°F (23°C) and 55% relative humidity

BSI-95 Aggressive Synthetic Rubber Adhesive (Standard Adhesive)

ADHESIVE TYPE: Solvent Based, High Shear

SUBSTRATE: 2 mils polyester substrate on a 90 lb release liner, PE coated, bleached, super -bright white Kraft liner.

TYPICAL PROPERTIES	
Static Shear Test	300+ hours* [PSTC**-07 Procedure A / ASTM*** B 3654]
Quick Tack-Stainless Steel	144 oz/in ² (633 g/cm ²)
Peel Adhesion	160 oz/in (1785 g/cm) [PSTC-3** / ASTM*** D 3330]
Substrate:	Thickness Basis Weight Tensile Strength
	2 mils (50 microns) 10,000 in ² /lb (142,230 cm ² /kg) typical value 28,000psi MD (1,900,000 g/cm ²)
Liner:	Thickness Basis Weight
	6.2 mils (158 microns) 92.0 lb (151 g/m ²)
Temperature:	Application End Use
	65°F — 150°F (18°C — 65.6°C) 0°F — 180°F (-18°C — 82.2°C)
Substrate Elongation	120% MD
Shelf Life	24 months based on accelerated aging
Storage	73.4°F (23°C) and 55% relative humidity

Adhesive testing for the acrylic and synthetic rubber was conducted using a polyester carrier. This information sheet is for typical values and is not a specification. End user assumes the responsibility for suitable testing and approval of this product's functionality. Adhesives are resistant to water and detergents. Not recommended for use with aliphatic or aromatic hydrocarbons.

Notice to Purchaser

Information and specifications contained herein are believed to be reliable, but no assurance is given as to the accuracy or completeness of technical information or recommendations. The Sellers or Manufacturers sole undertaking with respect to the product in lieu of all warranties of any kind is to replace any of the product that is proved to be defective. Neither Seller nor Manufacturer makes any warranty or representation the product is suitable for any specific purpose, nor shall Seller or Manufacturer be liable for any incidental or consequential damages for breach of any expressed or implied warranty. No person is authorized to assume for Seller or Manufacturer any liability or obligation in regard to this product other than as expressly set forth in this paragraph.

Materials used by Bumper Specialties Inc. are in full compliance with the European Standard for RoHS.

*Maximum adhesion achieved after 24 hours **Pressure Sensitive Tape Council ***American Society for Testing and Materials