3M Screen-Printable Adhesive SP7533

Technical Data		117	February, 2003
Product Description	3M TM Screen-Printable Adhesive adhesive which has been formula good combination of peel, shear	ted to be screen printable. T	his product exhibits a
Features/Advantages	<u>Features</u>	Advantages	
	Screen printable	• Low waste	
	• High solids	• High covera	age
	• Print complicated patterns	More versa	tile product designs
	• Water-dispersed	• Non-flamm	able in the wet state
	• High heat resistance	High produ	ct quality
	• Compatible with metal and pla	stic • Broad range	e of applications
Application Ideas	 Membrane Switch Keypads Cell Phones 	 Graphics Application Hand-Helds 	 Touch Panels Audio Equipment
	Car Interior Trim		
			• Foam Padding
		Home Appliances	Foam Padding
Typical Physical Properties	Note: The following technical info		onsidered representati
	Note: The following technical info	rmation and data should be c	onsidered representati
	Note: The following technical info or typical only and should n	rmation and data should be o not be used for specification p	considered representation urposes.
	Note: The following technical info or typical only and should n Solids:	rmation and data should be o not be used for specification p 65%	considered representation urposes.
	Note: The following technical info or typical only and should n Solids: Color:	rmation and data should be o to be used for specification p 65% Milky White	considered representati urposes.
	Note: The following technical info or typical only and should n Solids: Color: Carrier:	rmation and data should be on the used for specification pro- 65% Milky White Water	eonsidered representati urposes.

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Application Suggestions	as defoamers. Keep container adhesive to container. Select thickness and printing precis range of #70 to #150 can be	A Agitate well before using. D r tightly capped during storag screen mesh based on require ion. Stainless steel, polyester used for screen mesh materia diazos should be used for me	e. Avoid returning used ed adhesive coating and nylon wire in the ls. Water resistant
Typical Performance Characteristics	or typical only and sho	I information and data should le uld not be used for specification test; 4 mil (100 micron), PET micron) adhesive thickness.	n purposes.
	Substrate	lb/in	kgf/25 mm
	Stainless Steel:	6.4	2.9
	ABS:	2.9	1.3
	PVC:	5.3	2.4
	Polycarbonate:	2.9	1.3

Environmental Resistance: 180 degree peel test; PET 4 mil (100 microns) / ABS; 1.4 mil (35 micron) adhesive thickness.

Condition	lb/in	kgf/25 mm
Initial 75°F (25°C)	2.9	1.3
175°F (80°C) / 1000 hrs	5.5	2.5
140°F (60°C) / 95% Rh. / 1000 hrs	3.3	1.5

Heat Resistance: PET 4 mil (100 micron) / Stainless Steel; 1.4 mil (35 micron) adhesive thickness.

Temperature	lb/in	kgm/25 mm
195°F (90°C)	2.2	1.0

Dead Load Test

Load	Temperature
2.2 lb (1 kgf)	170°F (77°C)
1.1 lb (0.5 kgf)	> 266°F (130°C)

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Storage	Store in original container. Temperature not to exceed 105°F (40°C). Keep from freezing.
	Some liquid separation from the adhesive during storage is normal. This liquid should be remixed into the adhesive by low-shear, mechanical agitation. Mixing by hand is adequate for small volumes of adhesive.
Shelf Life	Shelf life is 12 months from date of shipment when stored in original container and temperature is kept between 40-95°F (5-35°C).
Precautionary Information	Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.
For Additional Information	To request additional product information or to arrange for sales assistance, call toll free 1-800-223-7427 or visit www.3M.com/converter. Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.
Important Notice	3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user's application.
Limitation of Remedies and Liability	If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability.



Industrial Business Converter Markets Industrial Adhesives and Tapes Division

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