3M Double Coated Removable Foam Tape

4658F

Technical Data			September, 1998	
			(Supersedes February, 1998	
Product Description	Tape 4658F is a 1/32 in. (0.8 mm) Double Coated Removable Foam Tape.			
Construction	Product	Tape 4658F	Tape 4658F	
	Adhesive Type:	Adhesive Type: Acrylic 100 (A-20)*		
	Foam Type:	n Type: Acrylic		
	Thickness: Nomin	al 1/32 in., 0.031 in. (.	1/32 in., 0.031 in. (.08 mm)	
	Tolera	± 10%		
	Color:	Clear	Clear	
	Release Liner:	0.003 in. (.08 mm) C	0.003 in. (.08 mm) Clear Film	
	Approximate Density: lb./ft ³ Foam Only (kg/cm	60 (960)		
	*Acrylic 100 (A-20) is a firm acrylic pressure sensitive adhesive system. It features high ultimate bond strength, very goo high temperature and solvent resistance and very high shear holding power.			
Typical Physical Properties	Note: The following technical information and data should be considered representativ or typical only and should not be used for specification purposes.			
	Peel Adhesion:		-	
	To Stainless Steel Room Temperature 90° Angle Peel 12 in./minute Jaw Speed (308 mm/min.) 72 hour Dwell ASTM D-3330		15 lb./in. width (263 N/100 mm)	
	Static Shear:			
	1/2 in. ² (3.23 cm ²) overlap Will hold listed gram weight for 10,000 minutes. ASTM D-3654	72°F (22°C) 120°F (49°C) 150°F (68°C)	1000 g. 750 g.	
	Temperature Resistance: Short Term (Minutes, Hour		150°F (66°C) 500 g. 212°F (100°C)	
	Long Term (Days, Weeks)		175°F (80°C)	
	U.V. Resistance:	Excellent resistance to direct ex	Excellent resistance to direct exposure to sunlight or othe sources of ultraviolet (U.V.) light.	
	Solvent Resistance:	No apparent degradation when	No apparent degradation when exposed to splash testing of most hydrocarbon solvents.	
	Shelf Life:		24 months from date of manufacture when stored in original cartons at 70°F (21°C) and 50% relative humidity	
Available Sizes	Standard Stock Sizes:	3/4 in. x 27 yds. (19	1/2 in. x 27 yds. (12 mm x 25 m) 3/4 in. x 27 yds. (19 mm x 25 m) 1 in. x 27 yds. (25 mm x 25 m)	
	Slitting Tolerance:	± 1/32 in., ± 0.031 i	± 1/32 in., ± 0.031 in. (± 0.8 mm)	
	Maximum Width:	46 ¹ / ₂ in. (1.	46 ¹ / ₂ in. (1.18 m)	
	Maximum Roll Length:	· · · · · · · · · · · · · · · · · · ·	175 yds. (160 m)	
	Contact your BSD sales representative for maximum roll length for widths less than 1 in.			
Application Techniques	• Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improve bond strength.			

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Application Techniques (continued)	• To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Typical surface cleaning solvents are isopropyl alcohol (rubbing alcohol) and water or heptane. Note: Be sure to follow manufacturer's precautions and directions for use when using solvents.			
		0 100°F (21°C to 38°C). Initial tape application C) is not recommended because the adhesive vever, once properly applied, low temperature		
Design Considerations	• As a general rule, four square inches of tape should be used for each pound of weight to be supported in static load. More or less tape may be required depending upon the particular application. User evaluation is, therefore, required to determine optimal tape usage.			
	• Care should be used when bonding to surfaces with very low internal strength such as painted plaster board, fabric or cloth, wallpaper, blown vinyl, etc. since delamination of that surface may occur.			
	• Care should also be taken with wood veneers and highly polished wood as very glossy surfaces may leave an image when the tape is removed.			
Removal Techniques		faces, peel back To remove tape from substrate, e clean removal. pull back corner and peel off quickly		
Application Ideas	 Signs Smoke Alarms Point of Purchase and other Displays Name 			
For Additional Information	To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550. Address correspondence to: 3M Bonding Systems Division, 3M Center, Building 220-7E-01, St. Paul, MN 55144-1000. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-2180.			
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