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Jameco Part Number 285907

Double Coated Urethane Foam Tapes

4000 Series

Technical Data

March, 2000

Product Description	
4004	1/4 in. (6.4 mm) Double-Coated Urethane Foam Tape
4008	1/8 in. (3.2 mm) Double-Coated Urethane Foam Tape
4016	1/16 in. (1.6 mm) Double-Coated Urethane Foam Tape
4026	1/16 in. (1.6 mm) Double-Coated Urethane Foam Tape
4032	1/32 in. (0.8 mm) Double-Coated Urethane Foam Tape
4052	1/32 in. (0.8 mm) Double-Coated Black Urethane Foam Tape
4056	1/16 in. (1.6 mm) Double-Coated Black Urethane Foam Tape
4085	0.045 in. (1.1 mm) Double-Coated Urethane Foam Tape

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Construction								
Products	Tape 4004	Tape 4008	Tape 4016	Tape 4026	Tape 4032	Tape 4052	Tape 4056	Tape 4085
Adhesive Type:*	100 (A-20)	100 (A-20)	100 (A-20)	100 (A-20)	100 (A-20)	100 (A-20)	100 (A-20)	R-40
Adhesive Carrier:								
Thickness: Nominal	in. in. (mm)	1/4 0.250 (6.4)	1/8 0.125 (3.2)	1/16 0.0625 (1.6)	1/32 0.031 (0.8)	1/32 0.031 (0.8)	1/16 0.0625 (1.6)	3/64 0.045 (1.2)
Tolerance	in. (mm)	0.215-0.285 (5.46-7.24)	0.110-0.150 (2.79-3.81)	0.045-0.080 (1.14-2.03)	0.045-0.080 (1.14-2.03)	0.025-0.040 (0.64-1.02)	0.025-0.040 (0.64-1.02)	0.039-0.054 (0.64-1.02)
Color:		Natural	Natural	Natural	Natural	Black	Black	Natural
Release Liner:				0.003 in. (0.08 mm) Green Plaid Paper				0.003 in. (0.08 mm) Tan Paper
Approximate Density: (Foam Only)	lb.ft ³ (kg/m ³)	12 (190)	15 (240)	11 (175)	18 (290)	20 (320)	14 (225)	11 (175)

*100 (A-20) Adhesive is a firm acrylic pressure sensitive adhesive system. It features high ultimate bond strength, very good high temperature and solvent resistance and very high shear holding power. Bond strength increases substantially with natural aging.

740 (R-40) Adhesive is a medium-firm rubber-resin pressure sensitive adhesive system. It features good holding power and adhesion to a wide variety of surfaces including many low surface energy plastics such as polyethylene and polypropylene.

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Available Sizes		Tape 4004	Tape 4008	Tape 4016	Tape 4026	Tape 4032	Tape 4052	Tape 4056	Tape 4085
Products									
Roll Length: Standard yds. (m)	18 (16.5)	36 (32.9)	36 (32.9)	36 (32.9)	72 (65.8)	72 (65.8)	72 (65.8)	36 (32.9)	72 (65.8)
Maximum yds. (m)	25 (23)	50 (45.7)	100 (91)	100 (91)	175 (160)	175 (160)	175 (160)	100 (91)	100 (91)
Roll Width: Minimum in. in. (mm)	1/4 0.250 (6.4)	1/4 0.250 (6.4)	1/8 0.125 (3.2)	1/8 0.125 (3.2)	1/8 0.125 (3.2)	1/8 0.125 (3.2)	1/8 0.125 (3.2)	1/8 0.125 (3.2)	1/8 0.125 (3.2)
Maximum in. (mm)	46 (1148)	46 (1148)	2 (51)	2 (51)	46 (1148)	46 (1148)	46 (1148)	46 (1148)	46 (1148)
Slitting Tolerance: in. in. (mm)					± 1/32 ± 0.031 (± 0.8)				

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General Information

- The urethane foam is open cell. The urethane foam tapes are generally ideal for interior applications or for exterior applications where the tape will be protected from the environment.
- The natural colored urethane foam tape products vary in color from white to light yellow. The color will change to light yellow upon exposure to sunlight (ultraviolet radiation). This color change is normal and does not affect tape performance.
- Tape 4026 is available in roll form and die-cut pieces. Die-cut pieces of Tape 4026 is available in 3/4" or 1" squares, either individual pieces double lined with an extended liner on one side or in pads of 48 squares.
- Tape 4032 is also available in die-cut pieces as Tape 4022. Die-cut pieces of Tape 4022 is available in 3/4" or 1" squares, either individual pieces double lined with an extended liner on one side or pads of 48 squares.

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.
- To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Typical surface cleaning solvents are isopropyl alcohol and water (rushing alcohol) or heptane. **Note:** Be sure to follow the manufacturer's precautions and directions for use when using solvents.
- Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

Application Ideas

Tapes 4004, 4008, 4016, 4026, 4032, 4052, 4056

These urethane foams are soft, conformable and have high shear strength which makes them ideal for general purpose lightweight mounting and joining.

Application ideas: **4004** – Bond mirrors to walls or furniture

4008 – Bond acoustic panels to walls

4016 – Mount interior signs and nameplates

4026 – Mount air fresheners and soap dispensers

4032 – Attach wire clips to various surfaces

4052 – Bond window to microwave oven doors

Mount electrical channel to wall surfaces

4056 – Mount wall corner protectors

Tape 4085

Tape 4085 combines conformability with high immediate adhesion to most plastics including ABS, polycarbonate, acrylic, polyethylene and polypropylene as well as metal and paint. Tape 4085 tears easily which makes it ideal for hand application.

Application ideas: **Tape 4085** – Attach wire clips
Attach air fresheners

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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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TSCA: These products are defined as articles under the Toxic Substances Control Act and therefore, are exempt from inventory listing requirements.

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