

Flexshield® 8269

Metallized Fabric EMI Shielding Tape

Insight®
Adhesives Research

FEATURES

- Metallized fabric
- Highly conductive acrylic adhesive
- 84# polycoated kraft liner

BENEFITS

- Exceptional conformability
- Easy to die cut and apply
- Won't cut fingers as a foil tape would

PRODUCT APPLICATIONS

Die cut EMI shielding for cellular phones, computers, PDA's, disk drives, modems and automotive electronics. Ideal for cable assembly shielding for satellites, electronic vehicles and robotics and for seaming in architectural applications. Users should assure the product meets the specific needs of their application(s). Adhesives Research can tailor the product to meet the needs of specific applications as requested by customers.

PRODUCT CONSTRUCTION - Typical Values

Carrier: 3.0 mils
 Adhesive: 1.0 mils
 Liner: 6.0 mils
 Total: 10.0 mils nominal

Test Methods: PSTC-133, ASTM D-1000

ADHESIVE PROPERTIES - Typical Values

Volume Resistance: 5 m Ω
 Test Method: ART #3035

Surface Resistance (adhesive side): 50 m Ω
 Surface Resistance (fabric side): 50 m Ω
 Test Method: ART #3036

SHIELDING EFFECTIVENESS, dB

<u>1 MHz</u>	<u>500 MHz</u>	<u>1 GHz</u>	<u>18 GHz</u>
102	90	90	80

Test Methods - (Mil Std. 285)

STORAGE AND SHELF LIFE

One year when stored at 70°F, 50% R.H.

SERVICE TEMPERATURE RANGES

Recommended Minimum Application Temperature: 50°F (10°C)
 Maximum Operating Temperature: 250°F (121°C)

APPLICATION AND STORAGE OF PRESSURE-SENSITIVE ADHESIVE TAPES

Pressure-sensitive adhesive tapes function as a mechanical product; however, the adhesive itself is a chemical composition that can be sensitive to environmental conditions. A purchaser of pressure-sensitive adhesive products should be aware of the shelf life of each product and not purchase more than it can use before the expiration date. Shipping and storage conditions affect shelf life. The optimum storage temperature is 70°F (21°C). Cool, dry storage is recommended.

For best results...

- 1) The surfaces you wish to bond should be clean and free of oil, moisture and dust. If the surface temperature is below 40°F, it may be difficult to achieve a proper bond.
- 2) Do not use a pressure-sensitive adhesive product where it will be exposed to temperatures lower or higher than those designated for each product. Heat can destroy the effectiveness of the bond and extreme cold can cause the adhesive to harden and not adhere properly.
- 3) When the tape is applied, use firm hand or lamination pressure to achieve contact between the adhesive and the surface to which it is applied. Hand rollers or nip rollers may be needed for certain products or applications.

Consult your AR sales representative if you need additional information.

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Internet: www.adhesivesresearch.com

Adhesives Research, Inc.
400 Seaks Run Road, P.O. Box 100
Glen Rock, PA 17327
Toll-free: 800-445-6240
Phone: 717-235-7979
Fax: 717-235-8320

Adhesives Research Ireland Ltd.
Raheen Business Park, Limerick, Ireland
Phone: +353 61 300 300
Fax: +353 61 300 700

Adhesives Research Ltd.
The Old Exchange, Mill Lane
Great Dunmow, Essex, UK CM6 1BG
Phone: +44 (0)1371 856300
Fax: +44 (0)1371 856380

Adhesives Research Pte. Ltd.
20 Maxwell Road
#10-06 Maxwell House
Singapore 069113
Phone: +65 6774 9580
Fax: +65 6777 7261

Adhesives Research Shanghai Representative Office
Unit 3526A, Level 35 CITIC Square
1168 West Nanjing Road
Shanghai 200041, China
Phone: +86 21 6150 4358
Fax: +86 21 6135 7120