



ESL ELECTROSCIENCE

CERAMIC TAPES &
THICK-FILM MATERIALS

416 EAST CHURCH ROAD
KING OF PRUSSIA, PA 19406-2625 USA

T: 610.272.8000
F: 610.272.6759

www.electroscience.com

TRANSFER TAPE

41030-T-200

Lead-Free Ceramic Transfer Tape for 430 type Stainless Steel

ESL 41030-T-200 is a flexible cast film of inorganic dielectric powder dispersed in an organic matrix, designed to be applied to a 430 type stainless steel substrate and fired at 850°C. The 41030-T-200 film will yield a dense body after firing. A pressure/temperature combination of 1.7 to 3.4 MPa (250-500 psi) and 70°C works well for laminating this tape. Transfer tape is provided on a silicone coated polyester film to minimize environmental contamination, to protect it from mechanical damage, and to aid in handling.

INSULATION RESISTANCE:

(at 100 VDC, 25°C)

> 10⁹ Ω

BREAKDOWN VOLTAGE:

> 2500 VAC

FIRING TEMPERATURE:

850°C

FIRED SHRINKAGE:

(Using recommended processing parameters)

X and Y

0%

Z

40%-50%

FIRED DENSITY:

(Theoretical)

2.82 g/cm³

TAPE THICKNESS:

200 μm nominal

COLOR:

Blue

41030-T-200 0612 NEW

ESL Affiliates

ESL China • Rm#1707, Tower A • City Center of Shanghai • 100 Zunyi Road • Shanghai, China 200051 Tel: (011-86)-21-62370336 • Fax: (011-86)-21-62370338 • eslchina@eslshanghai.net

ESL Europe • 8 Commercial Road • Reading, Berkshire, England RG2 0QZ • Tel: (011-44)-118-918-2400 • Fax: (011-44)-118-986-7331 • Sales@ESLEurope.co.uk

ESL Nippon • Sukegawa Bldg • 6th floor • 3-4 Yanagibashi 1-chome • Taito-ku • Tokyo 111, Japan • Tel: (011-81)-3-3864-8521 • Fax: (011-81)-3-3864-9270 • Sales@ESL-Nippon.co.jp

See Caution and Disclaimer on other side.

BLANK

41030-T-200 0612 NEW

CAUTION: Proper industrial safety precautions should be exercised in using these products. Use with adequate ventilation. Avoid prolonged contact with skin or inhalation of any vapors emitted during use or heating of these compositions. The use of safety eye goggles, gloves or hand protection creams is recommended. Wash hands or skin thoroughly with soap and water after using these products. Do not eat or smoke in areas where these materials are used. Refer to appropriate MSDS sheet.

DISCLAIMER: The product information and recommendations contained herein are based on data obtained by tests we believe to be accurate, but the accuracy and completeness thereof is not guaranteed. No warranty is expressed or implied regarding the accuracy of these data, the results obtained from the use hereof, or that any such use will not infringe any patent. ESL Electro-Science assumes no liability for any injury, loss, or damage, direct or consequential arising out of its use by others. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability thereof for their particular use, before using it. User assumes all risk and liability whatsoever in connection with their intended use. ESL Electro-Science's only obligation shall be to replace such quantity of the product proved defective.
