



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

CERAMIC SETTER RELEASE TAPE

49010

Coarse Zirconia Setter Release powder in Easy-To-Use Sheets

ESL 49010 tape is a thin, flexible, easy to handle sheet of monoclinic zirconia powder for use as a release liner between your parts and the kiln furniture during sintering. The 49010 tape can be used to line setters, sagger bottoms and flat crucibles. As a replacement for liquid suspension release washes, 49010 is convenient, clean, stable and easy to remove after firing.

PROCESSING PARAMETERS

CUTTING: Scissors, Knife, Paper Cutter, Steel Rule Die

USE TEMPERATURE: Up to > 1550°C

(higher temperature use is possible, please test for applicability prior to use)

TAPE DATA

THICKNESS: 300-500um (nominal)

COLOR: Tan / Beige

SHELF LIFE: 6 months



Before Firing



After Firing at 1550°C

49010 1301 New

ESL Affiliates

ESL China • Room#2712, Far East International Plaza, No.317 Xianxia Road, Changning District, Shanghai, China 200051 • Tel: +86-21-6237-0336 • Fax: +86-21-6237-0338 • eslchina@eslshanghai.net

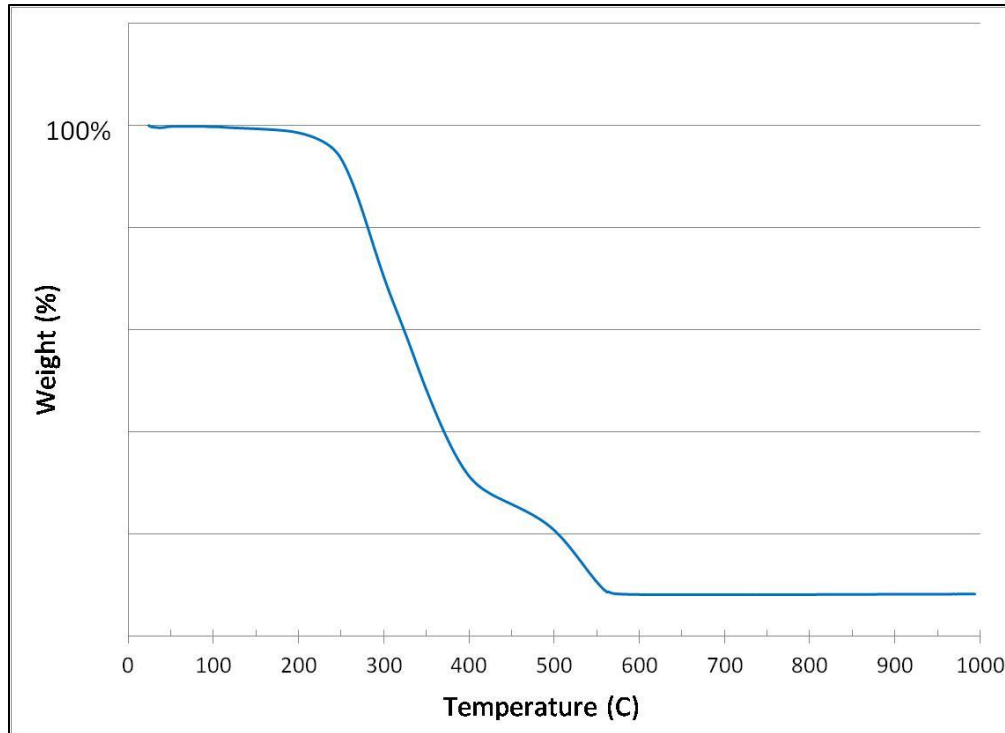
ESL Europe • 8 Commercial Road • Reading, Berkshire, England RG2 0QZ • Tel: +44-118-918-2400 • Fax: +44-118-986-7331 • sales@esleurope.co.uk

ESL in Korea • AMT • South Korea • Tel: +82-31-466-0651 • Fax: +82-31-466-0658 • yumikim@esl-amt.co.kr

ESL-Nippon • Sukegawa Bldg 6th floor • 1-3-4 Yanagibashi • Taito-ku • Tokyo, Japan 111-0052 • Tel: +81-3-3864-8521 • Fax: +81-3-3864-9270 • sales@esl-nippon.co.jp

ESL Taiwan • 14F, No. 168, Dunhua N. Road • Sungshan District • Taipei 105, Taiwan • Tel: +886-975-553-612 • dshih@esl-taipei.com

See Caution and Disclaimer on other side.



Thermogravimetric Analysis of 49010 Setter Tape
(Burnout Properties)

49010 1301 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. 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. Electro-Science's only obligation shall be to replace such quantity of the product proved defective.