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Technical Data Sheet

BRADY R4300 SERIES THERMAL TRANSFER RIBBON

TDS No. R4300
Effective Date: 03/18/2022

Description:
Brady R4300 Series thermal transfer ribbon is based on a wax/resin formulation that offers the end user a high performance image when used with Brady label materials. Advantages of the R4300 Series ribbon, when printed on the appropriate Brady label, include smear, chemical and environmental resistance. Please refer to the appropriate product Technical Data Sheet for specific ribbon and label performance characteristics. This ribbon is recommended for printing on paper and films that have a matte or rough surface.

Brady's R4300 Series ribbon is UL Recognized and/or CSA Accepted on various Brady label stocks. Refer to UL file MH17154 and MH10939 and CSA Acceptance Record LS41833 for specific material and ribbon approvals.

Brady's R4300 Series ribbon is halogen free per the IEC 61249-2-21 standard which states the requirements of a maximum of 900 PPM Cl, 900 PPM Br and 1500PPM total halogens, the JPCA-ES-01-1999 standard which states the criteria as <900 PPM Br and <900 PPM Cl and the IPC-4101B definition of halogen free being a maximum of 900 PPM Cl, 900 PPM Br and 1500PPM total halogens. Note: Fluorine, Iodine and Astatine (Other Group VIIA Halogens) are not restricted in the industry definition of Halogen Free.

This ribbon is available in several sizes to be used in Brady bench top thermal transfer printers.

REGULATORY APPROVALS
For information on the Weee-RoHS compliance status for a Brady Product go to one of the following websites:
In Canada: www.bradycanada.ca/weee-rohs
In Europe: www.bradyeurope.com/rohs
In Japan: www.brady.co.jp/products/labelsuse/rohs
All other regions: www.bradyid.com/weee-rohs

Details:

Ink Color:	Black
Base Film:	Polyester
Base Film Thickness:	4.5 micron
Ink Melt Temperature:	70° - 90°C (158° - 194°F)
Usage Condition:	5 - 35°C (41 - 95°F), 30 - 85% Relative Humidity

Exposure to high temperature, high humidity and direct sunlight should be avoided.

Shelf Life:
Shelf life is two years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

Note: All values shown are averages and should not be used for specification purposes.
Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

WARRANTY
Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

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