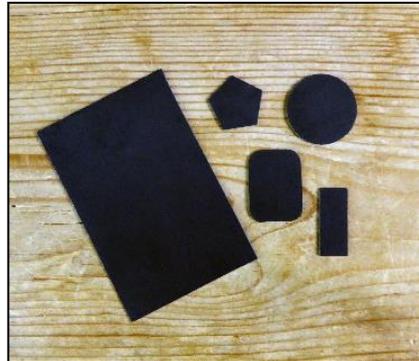


MAS-310 RFID

Thin RFID Absorbing Sheets and Pads

Control RFID antenna beam width and direction

Increase communication distance of RFID tags on metal surfaces



MWT'S MAS-310 thin flexible urethane MagRAM absorber designed for use over the range of 0.01 to 16 GHz (which covers all the RFID frequencies of 125 KHz through 13.56 MHz).

Our MAS-310 sheets can be applied directly to RFID antennas to control their beam width and direction, by reducing back and side RF radiation lobes, limiting the area being scanned.

This material may also be applied between the RFID tag (or antenna) and the metal surface of the object being tracked. The material suppresses interfering eddy currents between the metal surface and the antenna of the RFID tag. This increases the effective communication distance between the tag and the RFID reader system and can help reduce misreads of your RFID tags.

Our RFID absorbing sheets are made with a urethane resin binder (we can substitute a silicone resin for continuous service temperatures up to 350° F [177°C] and short-term exposures to higher temperatures. Both versions are impervious to water, will not support fungal growth, and may be used outdoors. They are RoHS compliant. The product is flexible, permitting application to contoured surfaces. Special processing is employed such that no oxidation of active ingredients is possible.

MAS-310 is available bonded to a 2 mil aluminum substrate (ground plane) with peel and stick adhesive (PSA) on one or both sides. MAS-310 can also be die cut into RFID Tag Pads of your size specifications.

How Supplied:

Sheets: 30.5 cm² (12 in²) standard - to 46 cm² (18 in²) on request

Rolls: 18" x 6 ft (46 cm x 183 cm)

Die cut: To size requirement

<u>MAS-310</u>	material alone
<u>MAS-310 P</u>	with peel and stick adhesive (PSA)
<u>MAS-310 GP</u>	with ground plane
<u>MAS-310 GPP</u>	with PSA and ground plane