

GUIDELINES

Storage and Handling of ARAICON® Conductive Fiber & Shielding



- Shipping containers with conductive fiber or EMI shielding should be stored in a suitable warehouse under normal climatic conditions. Recommend a temperature range of +15° to +40° C and humidity level of 30% to 70% RH be maintained. Protect from direct exposure to UV light.
- Leave each conductive fiber bobbin or EMI shield in its wrap or polyethylene bag with desiccant until it is ready to be used. Partially used bobbins should be placed back in its wrap or polyethylene bag with desiccant and put in the original container to avoid lot mix-ups.
- Minimize handling of conductive fiber bobbins to prevent damage and to avoid potential difficulty in processing the conductive fiber later. Rewinding should be avoided to prevent damage.
- Keep shipping containers dry, upright, and minimize handling.
- Use shipments in order received, i.e., conductive fiber and EMI shielding should be used on a first in, first out basis.
- When processing ARAICON conductive fiber use as few guides as possible and minimize changes in direction. Use rolling guides whenever possible to reduce friction and minimize conductive fiber damage. Matte-finished chrome or ceramic guides are preferred. Guides which have a high wear resistance include chrome oxide coated or ceramic guides with an average surface roughness of 15 – 40 micro-inches (0.4 – 1.0 micrometers) and a maximum coefficient of friction of 0.25.
- If application is space-flight, it is recommended that ARAICON conductive fiber and EMI shielding be packaged in a heat sealed static shielding bag which is first evacuated and then filled with nitrogen.
- Proper long-term storage of ARAICON conductive fiber and EMI shielding in closed original containers does not affect its physical properties. Experience shows that it is possible to use the products even after seven years of storage.