# Technical Data Sheet
# ML Series Overview

**ARC TECHNOLOGIES**
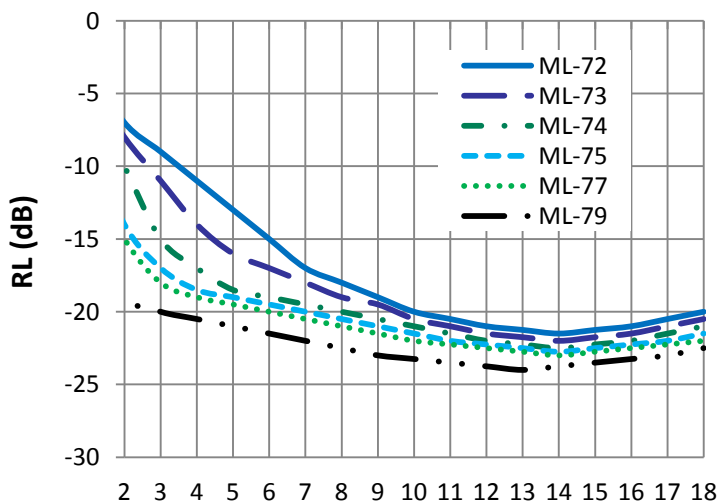a **HEXCEL** company

## Description

- Broadband, multilayer absorber consisting of graduated layers of loaded open-cell urethane foam.

- Ideal for antenna cross-talk, sidelobe reduction, cavity resonance suppression, and far-field electromagnetic applications.

- Available with PSA, conductive film backing, and acrylic surface coating.

  - When ordered in sheet form, ARC P/N will be indicated on the back-side or mounting surface.

- Can be water-jet cut for custom configurations.

- RoHS and REACH compliant.

| ML Series Number | ARC P/N | Reflection Loss | Reflectivity Range | Thickness | Weight |
|---|---|---|---|---|---|
| ML-72 Series | ML-10048 | ≤-17 dB | 12 - 18 GHz | 0.28" (0.71 cm) | 0.6 lbs. (0.272 kg) |
| ML-73 Series | ML-10049 | ≤-17 dB | 8 - 18 GHz | 0.42" (1.07 cm) | 0.9 lbs. (0.408 kg) |
| ML-74 Series | ML-10050 | ≤-17 dB | 4.5 - 18 GHz | 0.75" (1.91 cm) | 1.0 lbs. (0.454 kg) |
| ML-75 Series | ML-10051 | ≤-17 dB | 3.5 - 18 GHz | 1.125" (2.858 cm) | 1.5 lbs. (0.680 kg) |
| ML-77 Series | ML-10052 | ≤-17 dB | 2.5 - 18 GHz | 2.25" (5.72 cm) | 2.35 lbs. (1.066 kg) |
| ML-79 Series | ML-10019 | ≤-17 dB | 2 - 18 GHz | 4.50" (11.43 cm) | 5.0 lbs. (2.268 kg) |

### Reflection Loss



| Properties | Value |
|---|---|
| Temperature Range | -70°F to 270°F (-57°C to 132°C) |
| Standard Sheet Size | 24" x 24" (60.96 cm x 60.96 cm) Others available upon request. |
| Color | Black |

Note: the information provided above is accurate at time of publication. It is the responsibility of the end-user to confirm compliance to their application. All test data is typical.