

TECHNICAL DATASHEET

Products:

| Part Number | Color | Dimensions | | Maximum Mass |
|---|---------------------------|-------------------|-----------------------|--------------|
| | | External | Maximum Device Size | |
| MB-38AS-16 (previously MB-38AS/16) | Antistatic Transparent | 38 x 38 x 16mm | 25 x 25 x 10mm | N/A |
| MB-55AS-25 (previously MB-55AS/25) | Antistatic Transparent | 55 x 55 x 25mm | 35 x 35 x 16mm | N/A |
| MB-100x75AS-30 (previously MB-100x75AS/30) | Antistatic Transparent | 100 x 75 x 30mm | 80 x 50 x 20mm | N/A |
| MB-100AS-30 (previously MB-100AS/30) | Antistatic Transparent | 100 x 100 x 30mm | 80 x 70 x 20mm | N/A |
| MB-125AS-50 (previously MB-125AS-50) | Antistatic Transparent | 125 x 125 x 50mm | 100 x 90 x 30mm | N/A |
| MB-150AS-100 (previously MB-150AS/100) | Antistatic Transparent | 150 x 150 x 100mm | Z<12 125 x 125 x 12mm | 600 g |
| MB-180x54AS-30 (previously MB-180x54AS/30) | Antistatic Transparent | 180 x 54 x 30mm | 160 x 20 x 20mm | 800 g |

Antistatic Styrene Box Properties:

- Surface Resistivity < 10¹¹ ohms/square
- Shelf Life = 6 months
- Storage Condition: 70° F / 50% RH

Membrane Physical Properties:

| Property | Test Method | Nominal Value |
|-------------------------|-------------|------------------------|
| Hardness | ASTM D2240 | 85 Shore A |
| Specific Gravity | ASTM D729 | 1.12 |
| Tensile Strength | ASTM D412 | 445 kg/cm ² |
| Elongation | ASTM D412 | 515% |
| 300% Modulus | ASTM D412 | 80 kg/cm ² |
| Tear Strength | ASTM D1004 | 100 kg/cm ² |
| Melting Point | | 150 C |
| UV Stability | ASTM D1148 | 4-5 Grade |

Membrane Chemical Properties:

- Simple Molecular Structure: C, H, O, N. No Plasticizer, No Migration
- Waterproof and Breathable
- Excellent Hydrolysis Resistance: > 2 years
- Biocompatible / Excellent Fungus Resistance