

Code 830-832

METALLISED TEXTILE 56-NMT-XXX

Section D

56-NMT-XXX are a range of metallised fabrics. This can be supplied as tapes with or without conductive pressure sensitive adhesive and as in conjunction with polyurethane foam as a gasket material 84-SWN-XXX. The basic textile is polyester as taffeta weave, rip stop, non woven or mesh construction of varying weight and thickness. The metalisation can be Nickel, Carbon, Silver, Copper, Gold, Nickel Iron etc.

Properties of typical 56-NMT-XXX materials

| Grade | Polyester type | Coating | Weight gsm | Surface Resistance Ω /sq | Shielding Effectiveness dB @ 100 MHz | Shielding Effectiveness dB @ 500 MHz |
|------------|----------------|---------------|------------|---------------------------------|--------------------------------------|--------------------------------------|
| 56-NMT-100 | Taffeta | Ni | 62-68 | 3-10 | 35 | 30 |
| 56-NMT-110 | Taffeta | Ni-Cu | 72-78 | 0.1-0.2 | 56 | 54 |
| 56-NMT-120 | Taffeta | Ni-Cu-Ni | 75-80 | 0.04-0.08 | 69 | 64 |
| 56-NMT-200 | Ripstop | Ni | 54-60 | 3-9.5 | 34 | 30 |
| 56-NMT-210 | Ripstop | Ni-Cu | 68-74 | 0.06-0.15 | 52 | 48 |
| 56-NMT-220 | Ripstop | Ni-Cu-Ni | 70-76 | 0.04-0.08 | 69 | 62 |
| 56-NMT-320 | Non woven | Ni-Cu-Ni | 65-71 | 0.04-0.07 | 68 | 72 |
| 56-NMT-420 | Mesh | Ni-Cu-Ni | 40-46 | 1.5-5 | 59 | 55 |
| 56-NMT-550 | Taffeta | Ni-Cu-Ni/Fe | tba | 0.03-0.06 | 58 | 63 |
| 56-NMT-660 | Ripstop | Ni-Cu-Ni/Sn/C | tba | 0.03-0.06 | 65 | 70 |
| 56-NMT-770 | Woven | Ni-Cu-Ni-Au | tba | 0.03-0.06 | 65 | 72 |
| 56-NMT-860 | Ripstop | Ni-Cu-Ag | tba | 0.03-0.06 | 70 | 78 |
| 56-NMT-920 | Net | Ni-Cu-Ni | tba | 0.05-0.09 | 55 | 60 |

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