

## Coated / Fusible Shielding Tapes

### NEPTAPE® 1047F7

**Construction:** 0.00070" (18μ) EAA film  
0.00092" (23μ) polyester film  
0.00100" (25μ) aluminum foil

**Description:** Fusible three ply shielding tape which bonds to a polyethylene core and to itself at overlap.

| Typical Properties                    | US Customary                                                                                  | Metric                                            | Test Method      |
|---------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------|------------------|
| Thickness                             | 0.0028 inches                                                                                 | 71 microns                                        | ASTM D374        |
| Yield                                 | 40.0 ft <sup>2</sup> /lb<br>2.08 lbs/mft @ 1" wide                                            | 8.19 m <sup>2</sup> /kg<br>1.22 kg/km @ 10mm wide | NEPTCO<br>TM-002 |
| Tensile Strength                      | 10,500 psi                                                                                    | 72 MPa                                            | Calculated       |
| Break Strength                        | 32 lbs/in width                                                                               | 56 N/10mm width                                   | ASTM D882        |
| Elongation at Break                   | 107%                                                                                          | 107%                                              | ASTM D882        |
| Dielectric Strength of Film           | 4.0 kV                                                                                        | 4.0 kV                                            | Supplier Data    |
| Dielectric Constant of Film           | 3.0 (dimensionless)                                                                           | 3.0 (dimensionless)                               | Supplier Data    |
| Density                               | NA                                                                                            | 1.72 g/cm <sup>3</sup>                            | Calculated       |
| Max. Continuous Operating Temperature | 175°F                                                                                         | 80°C                                              | Supplier Data    |
| Sealing Temperature                   | 210-240°F                                                                                     | 100-115°C                                         | NEPTCO TM-008    |
| Electrical Resistance                 | 15 Ω/mft @ 1" wide                                                                            | 125 Ω/km @ 10mm wide                              | Supplier Data    |
| Colors                                | Blue tint on fusible side                                                                     |                                                   |                  |
| Splice Type                           | #53, max. 5/pad for < 22" OD or max. 6/pad for > 22" OD<br>Max. 1/1000' for traverse packages |                                                   |                  |
| Standard Pad Put-ups                  | Core ID - 3" or 6"<br>Pad OD - 12" or 18"                                                     |                                                   |                  |
| Standard Traverse Put-ups             | 3" x 5.75" x 3.5" - narrow slit material<br>3" x 11" x 3"                                     |                                                   |                  |

ASTM Test Methods are listed for reference only. Actual testing performed according to modified equipment and conditions. Specific test methods available upon request.



**The data presented here is intended for product selection purposes only. Typical properties represent data characteristics of the product, but do not necessarily reflect minimum values during normal testing. Specification data can be provided upon request.**

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