

**DOMO - PolyTechnyl SAS**

QUARTIER BELLE-ETOILE

AVE RAMBOZ

BOITE POSTALE 64

ST FONS CEDEX, 69192 France

File Number: E44716

**Technyl: A 50H1 (r3)(f2)**

Polyamide 66 (PA66), unfilled, pellets

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

(r3) - Virgin and regrind up to 50% by weight inclusive have the same basic material characteristics

NOTE - Materials designated "Technyl" may be prefixed by the letters "TY". Optional color name (in letters) followed by 1 to 10 alphanumeric code. Materials with codes ending with letter "A", "B", "D", "J", "M" or "W" alone are not UL Recognized.



| Flammability                          | Value  | Test Method          |
|---------------------------------------|--------|----------------------|
| Flame Rating                          |        | UL 94                |
| 0.40 mm, ALL                          | V-0    | IEC 60695-11-10, -20 |
| 0.75 mm, ALL                          | V-0    |                      |
| 1.5 mm, ALL                           | V-0    |                      |
| 3.0 mm, ALL                           | V-0    |                      |
| Glow Wire Flammability Index          |        | IEC 60695-2-12       |
| 0.40 mm                               | 960 °C |                      |
| 0.75 mm                               | 960 °C |                      |
| 1.5 mm                                | 960 °C |                      |
| 3.0 mm                                | 960 °C |                      |
| Glow Wire Ignition Temperature        |        | IEC 60695-2-13       |
| 0.40 mm                               | 960 °C |                      |
| 0.75 mm                               | 960 °C |                      |
| 1.5 mm                                | 775 °C |                      |
| 3.0 mm                                | 700 °C |                      |
| Electrical                            | Value  | Test Method          |
| Hot-wire Ignition (HWI)               |        | UL 746A              |
| 0.40 mm                               | PLC 4  |                      |
| 0.75 mm                               | PLC 2  |                      |
| 1.5 mm                                | PLC 2  |                      |
| 3.0 mm                                | PLC 2  |                      |
| High Amp Arc Ignition (HAI)           |        | UL 746A              |
| 0.40 mm                               | PLC 3  |                      |
| 0.75 mm                               | PLC 3  |                      |
| 1.5 mm                                | PLC 3  |                      |
| 3.0 mm                                | PLC 3  |                      |
| Comparative Tracking Index (CTI)      | PLC 0  | UL 746A              |
| High Voltage Arc Tracking Rate (HVTR) | PLC 0  | UL 746A              |
| Inclined-Plane Tracking               | 1.5 kV | ASTM D2303           |

# Component - Plastics

## A 50H1 (r3)(f2)



| Electrical                 | Value  | Test Method    |
|----------------------------|--------|----------------|
| Arc Resistance             | PLC 6  | ASTM D495      |
| Thermal                    | Value  | Test Method    |
| RTI Elec                   |        | UL 746B        |
| 0.40 mm                    | 130 °C |                |
| 0.75 mm                    | 130 °C |                |
| 1.5 mm                     | 130 °C |                |
| 3.0 mm                     | 130 °C |                |
| RTI Imp                    |        | UL 746B        |
| 0.40 mm                    | 105 °C |                |
| 0.75 mm                    | 105 °C |                |
| 1.5 mm                     | 105 °C |                |
| 3.0 mm                     | 105 °C |                |
| RTI Str                    |        | UL 746B        |
| 0.40 mm                    | 120 °C |                |
| 0.75 mm                    | 120 °C |                |
| 1.5 mm                     | 120 °C |                |
| 3.0 mm                     | 120 °C |                |
| Ball Pressure Test (190°C) | Pass   | IEC 60695-10-2 |
| Physical                   | Value  | Test Method    |
| Outdoor Suitability        | f2     | UL 746C        |