



**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