



# Component - Plastics

File Number: E86034

Celanese Production Germany GMBH & Co KG  
NIEDERMATT 11, UTZENFELD 79694 DE



## FRIANYL: A3 GF(ee) V0(f2), A 63 V0GV(ee)(f2)

Polyamide 66 (PA66), granular material

(ee) - Represents a number 25 through 34 inclusive (indicating the level of glass fill)

(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.

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	750 °C	
0.75 mm	775 °C	
1.5 mm	800 °C	
3.0 mm	800 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.40 mm	PLC 4	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.40 mm	PLC 2	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Thermal	Value	Test Method
RTI Elec		UL 746
0.40 mm	120 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
0.40 mm	65.0 °C	
0.75 mm	90.0 °C	
1.5 mm	90.0 °C	
3.0 mm	90.0 °C	
RTI Str		UL 746
0.40 mm	65.0 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
Physical	Value	Test Method
Outdoor Suitability	f2	UL 746C

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