UL Product iQ™

A 205F(r4)

File Number: E44716

Yellow Card®

COMPANY

DOMO - PolyTechnyl SAS
QUARTIER BELLE-ETOILE
AVE RAMBOZ
BOITE POSTALE 64
ST FONS CEDEX, 69192 France

MODEL INFO

Technyl: A 205F(r4)
Polyamide 66 (PA66), unfilled, furnished as pellets
(r4) – Virgin and regrind up to 50% by weight inclusive have the same basic material characteristics with respect to flammatility, HDT, and RTI
NOTE – Materials designated "Technyl" may be prefixed by the letters "TY".

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.38 mm, Color: ALL	V-2	
0.75 mm, Color: ALL	V-2	
1.5 mm, Color: ALL	V-2	
3.0 mm, Color: ALL	V-2	

ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.38 mm, Color: ALL	V-2	
0.75 mm, Color: ALL	V-2	
1.5 mm, Color: ALL	V-2	
3.0 mm, Color: ALL	V-2	

ELECTRICAL PROPERTIES	VALUE	TEST METHOD

Hot-wire Ignition (HWI)		UL 746A
0.38 mm	PLC 4	
0.75 mm	PLC 4	
1.5 mm	PLC 3	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.38 mm	PLC 0	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
High Voltage Arc Tracking Rate (HVTR)	PLC 0	
High Voltage, Low Current Arc Resistance	PLC 5	

THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
0.38 mm	105 °C	
0.75 mm	110 °C	
1.5 mm	115 °C	
3.0 mm	120 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.38 mm	65 °C	
0.75 mm	75 °C	
1.5 mm	75 °C	
3.0 mm	75 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.38 mm	65 °C	
0.75 mm	85 °C	
1.5 mm	85 °C	
3.0 mm	85 °C	

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