



3004-V0(rr), CM3004-V0(rr)

File Number: E41797

Yellow Card® 

COMPANY

TORAY INDUSTRIES INC
NIHONBASHI-MITSUI TOWER
1-1 NIHONBASHI-MUROMACHI 2-CHOME
CHUO-KU, TOKYO 103-8666 Japan

MODEL INFO

AMILAN: 3004-V0(rr), CM3004-V0(rr)

Polyamide 66 (PA66), furnished as pellets
(rr) – Virgin and regrind up to 70% by weight inclusive have the same basic material characteristics.
NOTE – Polyamide (nylon) grades may be prefixed with the letters CM and may employ hyphens in various locations. The designations of ECODEAR products may employ hyphens and/or spaces in various locations. All grades that include ABS, SAN, and/or PC (designations of TOYOLAC or TOYOLACPAREL or TORAYCA products) may employ hyphens and/or spaces and may be suffixed with 3 or 4 digits of letters and/or numbers.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.25 mm, Color: ALL	V-0	
0.38 mm, Color: ALL	V-0	
0.66 mm, Color: ALL	V-0	
1.5 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	

ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.25 mm, Color: ALL	V-0	
0.38 mm, Color: ALL	V-0	
0.66 mm, Color: ALL	V-0	
1.5 mm, Color: ALL	V-0	

3.0 mm, Color: ALL	V-0	
ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
0.25 mm	PLC 4	
0.38 mm	PLC 0	
0.66 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
0.25 mm	PLC 0	
0.38 mm	PLC 0	
0.66 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	28 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	
Volume Resistivity	1.0E+13 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 5	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
0.25 mm	130 °C	
0.38 mm	130 °C	
0.66 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.25 mm	105 °C	

0.38 mm	105 °C
0.66 mm	105 °C
1.5 mm	105 °C
3.0 mm	105 °C

Relative Thermal Index - Mechanical Strength

UL 746B

0.25 mm	105 °C
0.38 mm	105 °C
0.66 mm	105 °C
1.5 mm	105 °C
3.0 mm	105 °C

PHYSICAL PROPERTIES	VALUE	TEST METHOD
Dimensional Change	0.0 %	ASTM D1042/ISO 2796

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