



Component - Plastics

File Number: E53664

MITSUBISHI ENGINEERING-PLASTICS CORP

ENVIRONMENT & QUALITY ASSURANCE DEPT
SHIODOME SUMITOMO-BLDG 25TH FL
1-9-2 HIGASHI-SHINBASHI
MINATO-KU, TOKYO 105-0021 Japan



NOVADURAN: 5830GN6-40(ccc)

Polybutylene Terephthalate (PBT), pellets

(ccc) - Any combination of any letters excluding a letter "X" and/or any numerals denoting a customer code may or may not follow.

Flammability	Value	Test Method
Flame Rating		UL 94
0.30 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.30 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.30 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.30 mm	930 °C	
3.0 mm	900 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.30 mm	PLC 4	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
0.30 mm	PLC 1	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.30 mm	130 °C	
3.0 mm	130 °C	
RTI Imp		UL 746B
0.30 mm	130 °C	
3.0 mm	130 °C	
RTI Str		UL 746B
0.30 mm	140 °C	
3.0 mm	140 °C	

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