



# 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: 5710GN6-(qqq)

Polybutylene Terephthalate (PBT), pellets

(qqq) - Represents a number 11-29 inclusive.

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.75 mm	PLC 4	
1.5 mm	PLC 3	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746A
Dielectric Strength	26 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746A
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257
Volume Resistivity	1.0E+16 ohms·cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.75 mm	75.0 °C	
1.5 mm	75.0 °C	
3.0 mm	75.0 °C	
RTI Imp		UL 746B
0.75 mm	75.0 °C	
1.5 mm	75.0 °C	
3.0 mm	75.0 °C	
RTI Str		UL 746B
0.75 mm	75.0 °C	
1.5 mm	75.0 °C	
3.0 mm	75.0 °C	
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042

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Physical	Value	Test Method
Dimensional Change	0.0 %	ISO 2796

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