



# 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: 5010GPN33X(r2)

Polybutylene Terephthalate (PBT), pellets

(r2) - Virgin and regrind up to 50% by weight incl. have the same basic material characteristics

Flammability	Value	Test Method
Flame Rating		UL 94
0.30 mm, ALL	V-0	
0.75 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.30 mm, ALL	V-0	
0.75 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.30 mm	PLC 4	
0.75 mm	PLC 3	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
0.30 mm	PLC 0	
0.75 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	20 kV/mm	ASTM D149
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	140 °C	
0.75 mm	140 °C	
3.0 mm	140 °C	
RTI Imp		UL 746B
0.30 mm	130 °C	
0.75 mm	130 °C	
3.0 mm	140 °C	
RTI Str		UL 746B
0.30 mm	130 °C	
0.75 mm	130 °C	
3.0 mm	140 °C	

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