

NOVADURAN 5010N6-8S3 NAT

PBT

Mitsubishi Engineering-Plastics Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	87	cm ³ /10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Yield stress	25	MPa	ISO 527
Nominal strain at break	330	%	ISO 527
Flexural modulus, 23°C	590	MPa	ISO 178
Flexural strength	27	MPa	ISO 178
Charpy notched impact strength, +23°C	5.6	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	219	°C	ISO 11357-1/-3
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-
Electrical properties			
ISO Data			
Comparative tracking index	325	-	IEC 60112
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	5 - 8	h	-
Mold temperature	60 - 100	°C	-
Zone 1	250 - 270	°C	-
Zone 2	250 - 270	°C	-
Zone 3	250 - 270	°C	-
Nozzle temperature	270	°C	-
Screw speed	80 - 120	rpm	-
Injection pressure	20 - 150	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Special Characteristics

Flame retardant

Applications

Automotive, Electrical and Electronical, General Purpose

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa