

**NOVADURAN 5010N6-8S3 BK**

PBT

Mitsubishi Engineering-Plastics Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>87</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>250</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	<b>25</b>	MPa	ISO 527
Nominal strain at break	<b>330</b>	%	ISO 527
Flexural modulus, 23°C	<b>590</b>	MPa	ISO 178
Flexural strength	<b>27</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>5.6</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>219</b>	°C	ISO 11357-1/-3
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
Yellow Card available	<b>yes</b>	-	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Comparative tracking index	<b>325</b>	-	IEC 60112
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>5 - 8</b>	h	-
Mold temperature	<b>60 - 100</b>	°C	-
Zone 1	<b>250 - 270</b>	°C	-
Zone 2	<b>250 - 270</b>	°C	-
Zone 3	<b>250 - 270</b>	°C	-
Nozzle temperature	<b>270</b>	°C	-
Screw speed	<b>80 - 120</b>	rpm	-
Injection pressure	<b>20 - 150</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**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