

NIBLAN V100 AE/V0

PBT

Soredi S.p.a.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.016	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Strength at Yield	55	MPa	ASTM D 638
Flexural Modulus	2800	MPa	ASTM D 790
Flexural Strength	90	MPa	ASTM D 790
Rockwell Hardness	M 80	-	ASTM D 785
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	33.6	J/m	ASTM D 256
Temperature	-22	°C	-
Thermal properties			
ISO Data	Value	Unit	Test Standard
Coeff. of linear therm. expansion, parallel	60	E-6/K	ISO 11359-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	60	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
Electrical properties			
ISO Data	Value	Unit	Test Standard
Relative permittivity, 1MHz	3.5	-	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	30	kV/mm	IEC 60243-1
Other properties			
Value	Unit	Test Standard	
Water Absorption, 24hr	0.4	%	ASTM D 570
Density	1400	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Natural Color

Regional Availability

Europe

Special Characteristics

Flame retardant