

TECHNIACE™ TB-1701

(PBT+ABS)

Nippon A&L Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	31	cm ³ /10min	ISO 1133
Temperature	240	°C	-
Load	10	kg	-
Other Standards^[S]			
Molding shrinkage, parallel	0.7	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	39	MPa	ISO 527
Flexural modulus, 23°C	1950	MPa	ISO 178
Flexural strength	63	MPa	ISO 178
Charpy notched impact strength, +23°C	55	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 107	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	74	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	95	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	3 - 6	h	-
Melt temperature	230 - 270	°C	-
Mold temperature	40 - 80	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific