

PIBITER NRV10S2 - PBT (EXPERIMENTAL)

Description

15% glass fiber reinforced PBT, low viscosity, low warpage

PBT-ASA, 10% glass fiber reinforced

Physical properties	Value	Unit	Test Standard
Density	82.4	lb/ft ³	ISO 1183
Melt flow rate, MFR	25	g/10min	ISO 1133
MFR temperature	482	°F	ISO 1133
MFR load	4.76	lb	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	652671	psi	ISO 527-1, -2
Tensile stress at break, 5mm/min	11000	psi	ISO 527-1, -2
Tensile strain at break, 5mm/min	3.5	%	ISO 527-1, -2
Charpy impact strength, 23°C	19	ft-lb/in ²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.9	ft-lb/in ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	270	°F	ISO 75-1, -2

Typical injection moulding processing conditions

Pre Drying	Value	Unit
Drying time	3 - 4	h
Drying temperature	212 - 248	°F

Temperature	Value	Unit
Zone1 temperature	446 - 482	°F
Zone2 temperature	464 - 500	°F
Zone3 temperature	473 - 509	°F
Zone4 temperature	482 - 518	°F
Mold temperature	140 - 194	°F

Characteristics

Special Characteristics	Low warpage
Product Categories	Glass reinforced
Processing	Injection molding