

DURANEX® 310NF

PBT-GF10

Polyplastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	70	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Flexural modulus, 23°C	5000	MPa	ISO 178
Flexural strength	120	MPa	ISO 178
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	200	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Electrical properties			
ISO Data			
Electric strength	19	kV/mm	IEC 60243-1
Comparative tracking index	550	-	IEC 60112
ASTM Data			
Arc Resistance	124	s	ASTM D 495
Other properties			
Density	1400	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Mold temperature	60	°C	-
Zone 1	230	°C	-
Zone 2	260	°C	-
Zone 3	260	°C	-
Injection speed	67	mm/s	-

Characteristics**Processing**

Injection Molding

Certifications

RoHS compliant

Additives

Flame retarding agent

Applications

Electrical and Electronical

Special Characteristics

Flame retardant, Halogen-free, Light stabilized or stable to light, U.V. stabilized or stable to weather

Regional Availability

Asia Pacific