

DURANEX® 330NF

PBT-GF30

Polyplastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	100	MPa	ISO 527
Strain at break	1.7	%	ISO 527
Flexural modulus, 23°C	10100	MPa	ISO 178
Flexural strength	147	MPa	ISO 178
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	214	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
Yellow Card available	yes	-	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	3E14	Ohm*m	IEC 62631-3-1
Surface resistivity	4E16	Ohm	IEC 62631-3-2
Electric strength	22	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112
ASTM Data			
Arc Resistance	128	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1570	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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

Special Characteristics

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

Certifications

RoHS compliant

Applications

Electrical and Electronical

Regional Availability

Asia Pacific