

DAFNEBLEND® PL706

(PC+PBT)-GF30

Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	8600	MPa	ISO 527
Stress at break	105	MPa	ISO 527
Strain at break	5	%	ISO 527
Flexural modulus, 23°C	8000	MPa	ISO 178
Flexural strength	180	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	10	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	165	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210	°C	ISO 75-1/-2
Vicat softening temperature, B	190	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Electrical properties			
ISO Data			
Comparative tracking index	175	-	IEC 60112
Other properties			
Water absorption	0.06	%	Sim. to ISO 62
Density	1480	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3	h	-
Melt temperature	245 - 265	°C	-
Mold temperature	70 - 90	°C	-

Characteristics**Processing**

Injection Molding

Features

Low Warpage

Chemical Resistance

General Chemical Resistance

Certifications

RoHS compliant

Regional Availability

North America, Europe, Asia Pacific, South and Central America