DAFNELOY® MXF P02

PC-GF10 — Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**10**	g/10min	ISO 1133
Temperature	**300**	°C	-
Load	**1.2**	kg	-
Molding shrinkage, parallel	**0.4**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**3300**	MPa	ISO 527
Stress at break	**45**	MPa	ISO 527
Strain at break	**10**	%	ISO 527
Flexural modulus, 23°C	**3200**	MPa	ISO 178
Flexural strength	**97**	MPa	ISO 178
Charpy impact strength, +23°C	**150**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**7**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**7**	kJ/m²	ISO 180/1A
Rockwell hardness	**M 50**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**105**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**115**	°C	ISO 75-1/-2
Vicat softening temperature, A	**126**	°C	ISO 306
Vicat softening temperature, B	**120**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
Yellow Card available	**yes**	-	-
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**3.2**	mm	-
Yellow Card available	**yes**	-	-
Glow Wire Flammability Index (GWFI)	**960**	°C	IEC 60695-2-12
GWFI - thickness tested (1)	**1**	mm	-
Glow Wire Flammability Index (GWFI)	**960**	°C	IEC 60695-2-12
GWFI - thickness tested (2)	**2**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	**200**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	**1280**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120 - 130**	°C	-
Pre-drying - Time	**3**	h	-
Melt temperature	**270 - 300**	°C	-
Mold temperature	**100 - 120**	°C	-

Characteristics

Processing
Injection Molding

Applications
Electrical and Electronical

Special Characteristics
Flame retardant, Halogen-free

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

Certifications

RoHS compliant