

DAFNEBLEND® PK 201

(PA*+ABS)

Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	30	g/10min	ISO 1133
Temperature	240	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	40	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1800	MPa	ISO 178
Flexural strength	60	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	65	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	14	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	60	kJ/m ²	ISO 180/1A
Izod notched impact strength	13	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Rockwell hardness	R 85	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	70	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, A	160	°C	ISO 306
Vicat softening temperature, B	105	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Yellow Card available	yes	-	-
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1	mm	-
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (2)	2	mm	-
Glow Wire Ignition Temperature (GWIT)	700	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1	mm	-
Glow Wire Ignition Temperature (GWIT)	700	°C	IEC 60695-2-13
GWIT - thickness tested (2)	2	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	550	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1070	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90	°C	-
Pre-drying - Time	3	h	-
Melt temperature	240 - 280	°C	-
Mold temperature	40 - 80	°C	-

Characteristics

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Processing

Injection Molding

Chemical Resistance

General Chemical Resistance

Certifications

RoHS compliant

Applications

Automotive

Regional Availability

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