DAFNEOHM® EH K22/D

PP-X | Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**15**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**0.2**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	**30**	MPa	ISO 527
Strain at break	**11**	%	ISO 527
Flexural modulus, 23°C	**8000**	MPa	ISO 178
Flexural strength	**55**	MPa	ISO 178
Charpy impact strength, +23°C	**20**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**15**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**5**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**4**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**5**	kJ/m²	ISO 180/1A
Izod notched impact strength	**4**	kJ/m²	ISO 180/1A
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**90**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**140**	°C	ISO 75-1/-2
Vicat softening temperature, A	**155**	°C	ISO 306
Vicat softening temperature, B	**96**	°C	ISO 306
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.2**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1000**	Ohm*m	IEC 62631-3-1
Surface resistivity	**100**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1000**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**70 - 80**	°C	-
Pre-drying - Time	**0.5 - 2**	h	-
Melt temperature	**220 - 250**	°C	-
Mold temperature	**50 - 70**	°C	-

Characteristics

Processing
Injection Molding

Certifications
RoHS compliant

Special Characteristics
Increased electrical conductivity

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

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