

KITAN P FV50H

PA6T/66/6I-GF50

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	17200	MPa	ISO 527
Stress at break	225	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	16300	MPa	ISO 178
Flexural strength	320	MPa	ISO 178
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	80	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	12	kJ/m ²	ISO 180/1A
Rockwell hardness	R 125	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	315	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	120	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	290	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	300	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	15	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	45	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.5	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E11	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	1650	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.05	%	-
Melt temperature	330 - 350	°C	-
Mold temperature	140 - 160	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Special Characteristics

Heat stabilized or stable to heat