

**KITAN A 28E21**

PA66

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>70</b>	g/10min	ISO 1133
Temperature	<b>275</b>	°C	-
Load	<b>5</b>	kg	-
Molding shrinkage, parallel	<b>1.5</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>1.9</b>	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>2500</b>	MPa	ISO 527
Yield stress	<b>60</b>	MPa	ISO 527
Strain at break	<b>50</b>	%	ISO 527
Flexural modulus, 23°C	<b>2200</b>	MPa	ISO 178
Flexural strength	<b>78</b>	MPa	ISO 178
Izod impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>14</b>	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>255</b>	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	<b>55</b>	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	<b>65</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>160</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>95</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>110</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Glow Wire Flammability Index (GWFI)	<b>650</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>2</b>	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	<b>1E13</b>	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	<b>1100</b>	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>2 - 18</b>	h	-
Processing humidity	<b>≤0.12</b>	%	-
Melt temperature	<b>270 - 290</b>	°C	-
Mold temperature	<b>60 - 80</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

High impact or impact modified