KITAN A 28AV

PA66 MAIP SRL

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**130**	g/10min	ISO 1133
Temperature	**275**	°C	-
Load	**5**	kg	-
Molding shrinkage, parallel	**1.3 / ***	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.7 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**3300 / 1250**	MPa	ISO 527
Yield stress	**80 / 50**	MPa	ISO 527
Strain at break	**10 / 50**	%	ISO 527
Flexural modulus, 23°C	**2950 / 1100**	MPa	ISO 178
Flexural strength	**120 / 60**	MPa	ISO 178
Charpy notched impact strength, +23°C	**4.5 / 15**	kJ/m²	ISO 179/1eA
Izod impact strength, +23°C	**90 / N**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**5 / 15**	kJ/m²	ISO 180/1A
Rockwell hardness	**R 112**	-	ISO 2039-2

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**262 / ***	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	**60 / ***	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	**80 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**230 / ***	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**90 / ***	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**100 / ***	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-2 / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	**1E13 / 1E10**	Ohm*m	IEC 62631-3-1

Other properties	dry / cond	Unit	Test Standard
Density	**1140 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 18**	h	-
Processing humidity	**≤0.12**	%	-
Melt temperature	**280 - 300**	°C	-
Mold temperature	**60 - 90**	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Features

Nucleated