

**Tislamid® A 30D03 K06 R01**

PA6-GF30

Tisan Engineering Plastics Co.Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	9500	MPa	ISO 527
Stress at break	170	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Izod notched impact strength, +23°C	17.5	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	13.5	kJ/m <sup>2</sup>	ISO 180/1A
	-30	°C	-
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	223	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	200	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210	°C	ISO 75-1/-2
Vicat softening temperature, B	210	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn. Thickness tested	HB	class	IEC 60695-11-10
	1.6	mm	-
Burning behav. at thickness h Thickness tested	HB	class	IEC 60695-11-10
	0.8	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2
Comparative tracking index	500	-	IEC 60112
<b>Other properties</b>			
Density	1350	kg/m <sup>3</sup>	ISO 1183
Moisture Content	0.2	%	-
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.2	%	-
Melt temperature	230 - 250	°C	-
Mold temperature	60 - 100	°C	-
Zone 1	220 - 240	°C	-
Zone 2	220 - 240	°C	-
Zone 3	220 - 240	°C	-
Nozzle temperature	210 - 230	°C	-
Back pressure	50 - 100	MPa	-

**Characteristics****Processing**

Injection Molding

**Chemical Resistance**

Hydrolytically Stable

**Delivery form**

Pellets, Natural Color

**Regional Availability**

Europe, Near East/Africa