

Staramide AG10K

PA66-GF50

Eurostar Engineering Plastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14500	MPa	ISO 527
Stress at break	200	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	13500	MPa	ISO 178
Charpy impact strength, +23°C	140	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	15	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	13	kJ/m ²	ISO 180/1A
	-40	°C	-
Rockwell hardness	L 114	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	258	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	262	°C	ISO 75-1/-2
Vicat softening temperature, B	260	°C	ISO 306
Coeff. of linear therm. expansion, parallel	19	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	71	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h Thickness tested	HB	class	IEC 60695-11-10
	3.0	mm	-
Oxygen index	27	%	ISO 4589-1/-2
ASTM Data			
UL 94 Flame rating Thickness tested	HB	-	UL 94
	0.75	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.2	-	IEC 62631-2-1
Dissipation factor, 1MHz	150	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	19	kV/mm	IEC 60243-1
Comparative tracking index	500	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	2.5	%	Sim. to ISO 62
Humidity absorption	0.7	%	Sim. to ISO 62
Density	1580	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Features

Low Odor

Delivery form

Pellets

Chemical Resistance

Hydrolytically Stable

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Europe