

**Staramide AG5K**

PA66-GF25

Eurostar Engineering Plastics

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Thermal conductivity of melt	0.33	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	8100	MPa	ISO 527
Stress at break	155	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	7600	MPa	ISO 178
Charpy impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 179/1eU
Izod notched impact strength, +23°C	8	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	7 -40	kJ/m <sup>2</sup> °C	ISO 180/1A -
Rockwell hardness	L 114	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	246	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	258	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	28	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Oxygen index	27	%	ISO 4589-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.75	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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	6	%	Sim. to ISO 62
Density	1310	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Pellets

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Low Odor

**Chemical Resistance**

Hydrolytically Stable

**Regional Availability**

Europe