

Staramide AG5

PA66-GF25

Eurostar Engineering Plastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Thermal conductivity of melt	0.33	W/(m K)	-
Mechanical properties			
ISO Data			
Tensile Modulus	7100	MPa	ISO 527
Stress at break	165	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Flexural modulus, 23°C	7200	MPa	ISO 178
Charpy impact strength, +23°C	45	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	9 -40	kJ/m ² °C	ISO 180/1A -
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	255	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260	°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 Thickness tested	HB 3.0	class mm	IEC 60695-11-10 -
Oxygen index	27	%	ISO 4589-1/-2
ASTM Data			
UL 94 Flame rating Thickness tested	HB 0.75	- mm	UL 94 -
Electrical properties			
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			
Water absorption	6	%	Sim. to ISO 62
Density	1310	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Features

Low Odor

Delivery form

Pellets

Regional Availability

Europe