

Starflam AFR450B

PA66-GF25

Eurostar Engineering Plastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	9200	MPa	ISO 527
Stress at break	120	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	8900	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	7	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	6	kJ/m ²	ISO 180/1A
	-20	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	245	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	256	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	27	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	92	E-6/K	ISO 11359-1/-2
Oxygen index	31	%	ISO 4589-1/-2
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	4.5	%	Sim. to ISO 62
Density	1550	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Pellets

Special Characteristics

Flame retardant

Features

Low Odor

Regional Availability

Europe