

Staramide ACF3

PA66-CF15

Eurostar Engineering Plastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	13000	MPa	ISO 527
Stress at break	170	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	10000	MPa	ISO 178
Charpy impact strength, +23°C	45	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	5	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	3	kJ/m ²	ISO 180/1A
	-40	°C	-
Rockwell hardness	L 105	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	250	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	252	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110	E-6/K	ISO 11359-1/-2
Oxygen index	28	%	ISO 4589-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1780	Ohm*m	IEC 62631-3-1
Surface resistivity	178000	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Water absorption	5.5	%	Sim. to ISO 62
Density	1190	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Features

Low Odor

Delivery form

Pellets

Regional Availability

Europe