

Badamid® PA12 CF15

PA12-CF15

Bada AG

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	8000 / 7400	MPa	ISO 527
Stress at break	125 / -	MPa	ISO 527
Strain at break	5 / -	%	ISO 527
Charpy impact strength, +23°C	75 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	15 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	150 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	170 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	100 / -	Ohm*m	IEC 62631-3-1

Other properties	dry / cond	Unit	Test Standard
Density	1070 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.15	%	-
Melt temperature	270 - 300	°C	-
Mold temperature	80 - 90	°C	-

Characteristics**Processing**

Injection Molding, Fiber Extrusion

Special Characteristics

Increased electrical conductivity

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa