

Badalon® PC 20 GF20

PC-GF20

Bada AG

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	5500	MPa	ISO 527
Stress at break	105	MPa	ISO 527
Strain at break	3	%	ISO 527
Charpy impact strength, +23°C	65	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	143	°C	ISO 306
Vicat softening temperature, B	136	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	175	-	IEC 60112

Other properties	Value	Unit	Test Standard
Humidity absorption	0.28	%	Sim. to ISO 62
Density	1340	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3	h	-
Processing humidity	≤0.02	%	-
Melt temperature	300 - 330	°C	-
Mold temperature	80 - 130	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

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