Badaform® C110 GF25

POM-GF25 Bada AG

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**4**	cm³/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**9300**	MPa	ISO 527
Stress at break	**120**	MPa	ISO 527
Strain at break	**2**	%	ISO 527
Flexural strength	**160**	MPa	ISO 178
Charpy impact strength, +23°C	**30**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**4.5**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**5**	kJ/m²	ISO 180/1A
Ball indentation hardness	**220**	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**167**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**160**	°C	ISO 75-1/-2
Vicat softening temperature, B	**160**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**40**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**80**	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	**4.2**	-	IEC 62631-2-1
Dissipation factor, 1MHz	**95**	E-4	IEC 62631-2-1
Volume resistivity	**1E12**	Ohm*m	IEC 62631-3-1
Surface resistivity	**1E13**	Ohm	IEC 62631-3-2
Electric strength	**25**	kV/mm	IEC 60243-1
Comparative tracking index	**600**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	**0.8**	%	Sim. to ISO 62
Humidity absorption	**0.17**	%	Sim. to ISO 62
Density	**1590**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**100**	°C	-
Pre-drying - Time	**1 - 3**	h	-
Processing humidity	**≤0.2**	%	-
Melt temperature	**190 - 220**	°C	-
Mold temperature	**70 - 100**	°C	-

Characteristics

Processing

Injection Molding

Features

Copolymer

Regional Availability

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