Badalac® MABS 30

MABS — Bada AG

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**34**	cm³/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**1900**	MPa	ISO 527
Yield stress	**42**	MPa	ISO 527
Yield strain	**4**	%	ISO 527
Nominal strain at break	**40**	%	ISO 527
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**14**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**7**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**14**	kJ/m²	ISO 180/1A
Izod notched impact strength	**7**	kJ/m²	ISO 180/1A
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**97**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**77**	°C	ISO 75-1/-2
Vicat softening temperature, A	**104**	°C	ISO 306
Vicat softening temperature, B	**96**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1E11**	Ohm*m	IEC 62631-3-1
Surface resistivity	**1E13**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1080**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Processing humidity	**≤0.1**	%	-
Melt temperature	**220 - 260**	°C	-
Mold temperature	**30 - 80**	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified, Transparent

Regional Availability

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