Badamid® PA12 M20 FR V5

PA12-MD20 — Bada AG

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**40 / ***	cm³/10min	ISO 1133
Temperature	**235 / ***	°C	-
Load	**2.16 / ***	kg	-

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**1600 / -**	MPa	ISO 527
Yield stress	**5.5 / -**	MPa	ISO 527
Charpy notched impact strength, +23°C	**4 / -**	kJ/m²	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
Burning behav. at thickness h	**V-0 / ***	class	IEC 60695-11-10
Thickness tested	**0.4 / ***	mm	-
Glow Wire Flammability Index (GWFI)	**960**	°C	IEC 60695-2-12
GWFI - thickness tested (1)	**1.5**	mm	-
Glow Wire Ignition Temperature (GWIT)	**775**	°C	IEC 60695-2-13
GWIT - thickness tested (1)	**1.5**	mm	-

Other properties	dry / cond	Unit	Test Standard
Water absorption	**1 / ***	%	Sim. to ISO 62
Humidity absorption	**0.4 / ***	%	Sim. to ISO 62

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 8**	h	-
Processing humidity	**≤0.15**	%	-
Melt temperature	**220 - 260**	°C	-
Mold temperature	**40 - 60**	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant

Regional Availability

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