

Badamid® PPA-HP M10 AS S1V2

(PPA+PA66)-MD10

Bada AG

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	4400 / 3800	MPa	ISO 527
Stress at break	78 / 70	MPa	ISO 527
Strain at break	4 / -	%	ISO 527
Charpy impact strength, +23°C	45 / -	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	35 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	220 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	240 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thicken.	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	-

Other properties	dry / cond	Unit	Test Standard
Humidity absorption	0.9 / *	%	Sim. to ISO 62
Density	1270 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	290 - 320	°C	-
Mold temperature	135	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Anti-static

Regional Availability

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