Property Data

Envalior
Imagine the Future

Tufbet® BA602A1XXX

Pocan® B600

PBT

Unreinforced, Injection Molding, Extrusion, Food Contact Quality, High Flow

Print Date: 2026-04-14

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Melt volume-flow rate (MVR)	225	cm³/10min	ISO 1133
Temperature	250	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage (normal)	1.6	%	ISO 294-4
Molding shrinkage (parallel)	1.6	%	ISO 294-4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	2700	MPa	ISO 527-1/-2
Yield stress	55	MPa	ISO 527-1/-2
Yield strain	2.5	%	ISO 527-1/-2
Nominal strain at break	2.9	%	ISO 527-1/-2
Flexural modulus	2800	MPa	ISO 178
Flexural strength	100	MPa	ISO 178
Flexural strain at flexural strength	5.6	%	ISO 178-A
Izod impact strength (+23°C)	40	kJ/m²	ISO 180/1U
THERMAL PROPERTIES	**VALUE**		
Melting temperature (10°C/min)	225	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	74	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	1.1	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	1.1	E-4/°C	ISO 11359-1/-2
OTHER PROPERTIES	**VALUE**		

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PROPERTIES	*TYPICAL DATA*	*UNIT*	*TEST METHOD*
Density	1310	kg/m³	ISO 1183

PROCESSING RECOMMENDATIONS	*VALUE*		
Drying temperature circulating air dryer	120	°C	
Drying time circulating air dryer	4–8	h	
Residual moisture content	0.00–0.02	%	acc. to Karl Fischer
Melt temperature (Tmin – Tmax)	250–270	°C	
Mold temperature	80–100	°C	

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