Property Data

Envalior
Imagine the Future

Pocan® B500

PBT

Unreinforced, Extrusion, Food Contact Quality, High Flow

Print Date: 2025-11-20

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Melt volume-flow rate	280	cm³/10min	ISO 1133
Temperature	250	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage (normal)	1.8	%	ISO 294-4
Molding shrinkage (parallel)	1.8	%	ISO 294-4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	2700	MPa	ISO 527-1/-2
Flexural modulus	2700	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Flexural strain at flexural strength	5.5	%	ISO 178-A
Izod impact strength (+23°C)	35	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)	85	°C	ISO 75-1/-2
OTHER PROPERTIES	**VALUE**		
Density	1300	kg/m³	ISO 1183
PROCESSING RECOMMENDATIONS	**VALUE**		
Drying temperature circulating air dryer	120	°C	
Drying time circulating air dryer	4-8	h	

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PROPERTIES	*TYPICAL DATA*	*UNIT*	*TEST METHOD*
Melt temperature (Tmin – Tmax)	250–270	°C	
Mold temperature	80–100	°C	

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