

Pocan[®] B500

PBT

Extrusion, Unreinforced, Food Contact Quality, Improved flow

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	VALUE		
Melt volume–flow rate	280	cm ³ /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/m ²	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/m ³	ISO 1183
PROCESSING RECOMMENDATIONS	VALUE		
Drying temperature circulating air dryer	120	°C	
Drying time circulating air dryer	4–8	h	

Property Data

Pocan[®] B500

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