

Pocan[®] DP7318

PBT–MX17

Injection Molding, 17% White Pigments, Low Warpage

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt volume–flow rate	27	cm ³ /10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	2.16	kg	ISO 1133
MECHANICAL PROPERTIES			
	VALUE		
Tensile modulus	3400	MPa	ISO 527–1/–2
Stress at break	57	MPa	ISO 527–1/–2
Strain at break	10	%	ISO 527–1/–2
Flexural modulus	3200	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Flexural strain at flexural strength	6	%	ISO 178–A
Charpy impact strength (+23°C)	125	kJ/m ²	ISO 179/1eU
Izod impact strength (+23°C)	110	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 (0.45 MPa)	160	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.9	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.9	E–4/°C	ISO 11359–1/–2
Burning Behav. at 0.75 mm nom. thickn.	HB	class	IEC 60695–11–10
Thickness tested	0.75	mm	IEC 60695–11–10
Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695–11–10
Thickness tested	1.5	mm	IEC 60695–11–10

Property Data

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
ELECTRICAL PROPERTIES			
Comparative tracking index	425	V	IEC 60112
OTHER PROPERTIES			
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1500	kg/m³	ISO 1183
PROCESSING RECOMMENDATIONS			
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	