

Pocan[®] T3230 RC X-MB

(PBT+PET)-GF30

Print Date: 2024-09-17

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt volume-flow rate	30	cm ³ /10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	5	kg	ISO 1133
Molding shrinkage (normal)	0.9	%	ISO 294-4
Molding shrinkage (parallel)	0.3	%	ISO 294-4
MECHANICAL PROPERTIES			
	VALUE		
Tensile modulus	10400	MPa	ISO 527-1/-2
Stress at break	145	MPa	ISO 527-1/-2
Strain at break	2.8	%	ISO 527-1/-2
Flexural modulus	10300	MPa	ISO 178
Flexural strength	230	MPa	ISO 178
Flexural strain at flexural strength	3	%	ISO 178-A
Charpy impact strength (+23°C)	65	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	55	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	<10	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	<10	kJ/m ²	ISO 179/1eA
Izod impact strength (+23°C)	55	kJ/m ²	ISO 180/1U
Izod impact strength (-30°C)	55	kJ/m ²	ISO 180-1U
THERMAL PROPERTIES			
	VALUE		
Temp. of deflection under load (1.80 MPa)	200	°C	ISO 75-1/-2

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.3	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.9	E-4/°C	ISO 11359-1/-2
<i>ELECTRICAL PROPERTIES</i>			
	<i>VALUE</i>		
Comparative tracking index	250	V	IEC 60112
<i>OTHER PROPERTIES</i>			
	<i>VALUE</i>		
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1550	kg/m ³	ISO 1183
<i>PROCESSING RECOMMENDATIONS</i>			
	<i>VALUE</i>		
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)	260-280	°C	
Mold temperature	80-100	°C	

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