

Pocan[®] T7245

PET—(GF+MX)45

45% Glass Fiber/Mineral Reinforced, Injection Molding

Print Date: 2025-10-04

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt volume—flow rate	35	cm³/10min	ISO 1133
Temperature	270	°C	ISO 1133
Load	5	kg	ISO 1133
Molding shrinkage (normal)	1	%	ISO 294-4
Molding shrinkage (parallel)	0.4	%	ISO 294-4
MECHANICAL PROPERTIES			
	VALUE		
Tensile modulus	12000	MPa	ISO 527-1/-2
Stress at break	115	MPa	ISO 527-1/-2
Strain at break	1.6	%	ISO 527-1/-2
Flexural modulus	11000	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
Flexural strain at flexural strength	2	%	ISO 178-A
Charpy impact strength (+23°C)	30	kJ/m²	ISO 179/1eU
Izod impact strength (+23°C)	30	kJ/m²	ISO 180/1U
THERMAL PROPERTIES			
	VALUE		
Melting temperature (10°C/min)	260	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	180	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	230	°C	ISO 75-1/-2
ELECTRICAL PROPERTIES			
	VALUE		
Comparative tracking index	225	V	IEC 60112

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
OTHER PROPERTIES	VALUE		
Density	1820	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)	260-280	°C	
Mold temperature	80-100	°C	

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