

Pocan[®] TS3220 901510

(PBT+PET)–I–GF20

20% Glass Reinforced, Injection Molding, Improved Impact, Excellent Surface Properties, Low Warpage

Print Date: 2024–06–28

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt volume–flow rate	18	cm ³ /10min	ISO 1133
Temperature	270	°C	ISO 1133
Load	5	kg	ISO 1133
Molding shrinkage (normal)	0.7	%	ISO 294–4
Molding shrinkage (parallel)	0.4	%	ISO 294–4
MECHANICAL PROPERTIES			
	VALUE		
Tensile modulus	5500	MPa	ISO 527–1/–2
Stress at break	75	MPa	ISO 527–1/–2
Strain at break	3	%	ISO 527–1/–2
Flexural modulus	5200	MPa	ISO 178
Flexural strength	120	MPa	ISO 178
Flexural strain at flexural strength	3.9	%	ISO 178–A
Charpy impact strength (+23°C)	50	kJ/m ²	ISO 179/1eU
Charpy impact strength (–30°C)	45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)		kJ/m ²	ISO 179/1eA
Charpy notched impact strength (–30°C)		kJ/m ²	ISO 179/1eA
Izod impact strength (+23°C)	40	kJ/m ²	ISO 180/1U
Izod impact strength (–30°C)	40	kJ/m ²	ISO 180–1U
THERMAL PROPERTIES			
	VALUE		
Temp. of deflection under load (1.80 MPa)	155	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	215	°C	ISO 75–1/–2

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Property Data

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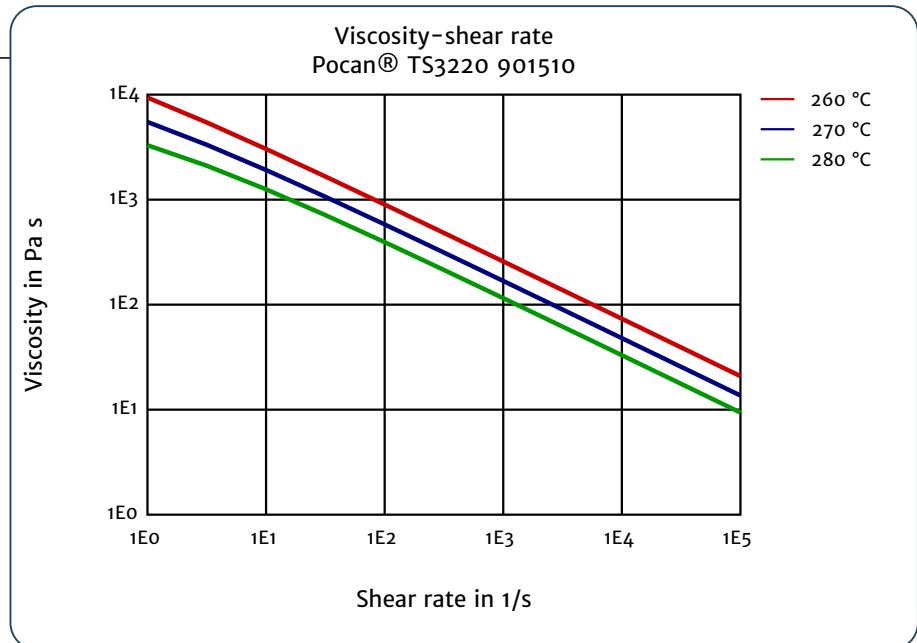
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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Coeff. of linear therm. expansion (parallel)	0.3	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	1.3	E-4/°C	ISO 11359-1/-2

ELECTRICAL PROPERTIES	VALUE		
Comparative tracking index	200	V	IEC 60112

OTHER PROPERTIES	VALUE		
Density	1380	kg/m ³	ISO 1183

Viscosity-shear rate



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