Property Data

Envalior
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Pocan® BF4232 S101

Arnite® TV4 264 SN

PBT–GF30 FR(17)

30% Glass Fiber Reinforced, Flame Retardant

Print Date: 2026–04–09

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	11500	MPa	ISO 527–1/–2
Stress at break	140	MPa	ISO 527–1/–2
Strain at break	1.8	%	ISO 527–1/–2
Charpy impact strength (+23°C)	45	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	45	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6.3	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	8	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES	**VALUE**		
Melting temperature (10°C/min)	225	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	210	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.35	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.7	E–4/°C	ISO 11359–1/–2
Burning Behav. at 0.4 mm nom. thickn.	V–2	class	IEC 60695–11–10
Thickness tested	0.4	mm	IEC 60695–11–10
Burning Behav. at 0.75 mm nom. thickn.	V–0	class	IEC 60695–11–10
Thickness tested	0.75	mm	IEC 60695–11–10
Burning Behav. at 1.5 mm nom. thickn.	V–0	class	IEC 60695–11–10
Thickness tested	1.5	mm	IEC 60695–11–10
Burning Behav. at 3.0 mm nom. thickn.	V–0	class	IEC 60695–11–10
Thickness tested	3	mm	IEC 60695–11–10
Glow Wire Flammability Index GWFI	960	°C	IEC 60695–2–12

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
GWFI (Thickness (1) tested)	0.75	mm	IEC 60695-2-12
Glow Wire Flammability Index GWFI	960	°C	IEC 60695-2-12
GWFI (Thickness (2) tested)	1.5	mm	IEC 60695-2-12

ELECTRICAL PROPERTIES	VALUE		
Relative permittivity (100Hz)	3.7	-	IEC 62631-2-1
Relative permittivity (1 MHz)	3.5	-	IEC 62631-2-1
Dissipation factor (100 Hz)	20	E-4	IEC 62631-2-1
Dissipation factor (1 MHz)	160	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Comparative tracking index	200	V	IEC 60112
Comparative tracking index (PLC)	3	class	UL 746A

OTHER PROPERTIES	VALUE		
Density	1700	kg/m³	ISO 1183

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