Property Data

Envalior
Imagine the Future

Pocan® B600SE

Arnite® B600SE

PBT FR

Flame Retardant

Print Date: 2026-04-09

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Melt volume-flow rate (MVR)	48	cm³/10min	ISO 1133
Temperature	240	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage (normal)	2.9	%	ISO 294-4
Molding shrinkage (parallel)	2.7	%	ISO 294-4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	3000	MPa	ISO 527-1/-2
Stress at break	60	MPa	ISO 527-1/-2
Strain at break	3	%	ISO 527-1/-2
Charpy impact strength (+23°C)	24	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	2	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)	60	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	145	°C	ISO 75-1/-2
Burning Behav. at 3.0 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	3.2	mm	IEC 60695-11-10
OTHER PROPERTIES	**VALUE**		
Density	1450	kg/m³	ISO 1183

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2026-04-15 10:45:00 Distributed by Mito polimeri