Property Data

Envalior
Imagine the Future

Durethan® BKV60H2.0EF

Durethan® DPBKV60H2.0EF

PA6–GF60

60% Glass Fiber Reinforced, Injection Molding, Heat Stabilized, High Flow

Print Date: 2026–10–16

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	DRY / COND		
Molding shrinkage (parallel)	0.28 / *	%	ISO 294–4
Molding shrinkage (normal)	0.46 / *	%	ISO 294–4
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	20500 / 13100	MPa	ISO 527–1/–2
Stress at break	230 / 150	MPa	ISO 527–1/–2
Strain at break	2.4 / 3.1	%	ISO 527–1/–2
Flexural modulus	20000 / 13100	MPa	ISO 178
Flexural strength	370 / 245	MPa	ISO 178
Tensile modulus (200°C)	6050	MPa	ISO 527–1/–2
Charpy impact strength (+23°C)	90 / 90	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	90 / 90	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	16 / 20	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	16 / –	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	16 / 20	kJ/m²	ISO 180/1A
THERMAL PROPERTIES	DRY / COND		
Melting temperature (10°C/min)	221 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	213 / *	°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)	0.12 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.75 / *	E–4/°C	ISO 11359–1/–2
Burning Behav. at 3.0 mm nom. thickn.	HB / *	class	IEC 60695–11–10

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Burning Behav. at 0.75 mm nom. thickn.	HB / *	class	IEC 60695–11–10
ELECTRICAL PROPERTIES	**DRY / COND**		
Relative permittivity (100Hz)	5.3 / 11.2	–	IEC 62631–2–1
Relative permittivity (1 MHz)	4.7 / 5.1	–	IEC 62631–2–1
Dissipation factor (100 Hz)	164 / 2150	E–4	IEC 62631–2–1
Dissipation factor (1 MHz)	177 / 651	E–4	IEC 62631–2–1
Volume resistivity	5.8E12 / 8E9	Ohm*m	IEC 62631–3–1
Electric strength	33 / 33	kV/mm	IEC 60243–1
Comparative tracking index	600 / –	V	IEC 60112
OTHER PROPERTIES	**DRY / COND**		
Water absorption	3.6 / *	%	Sim. to ISO 62
Humidity absorption	1.1 / *	%	Sim. to ISO 62
Density	1720 / –	kg/m³	ISO 1183
PROCESSING RECOMMENDATIONS	**VALUE**		
Drying temperature dry air dryer	80	°C	
Drying time dry air dryer	2–6	h	

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