

Durethan® BKV15H2.0 DUS008

PA6—GF15

15% Glass Fiber Reinforced, Injection Molding, Heat Stabilized

Print Date: 2026–04–09

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	DRY / COND		
Molding shrinkage (parallel)	0.5 / *	%	ISO 294–4
Molding shrinkage (normal)	0.8 / *	%	ISO 294–4
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	6000 / 3500	MPa	ISO 527–1/–2
Stress at break	125 / 65	MPa	ISO 527–1/–2
Strain at break	3 / 12	%	ISO 527–1/–2
Flexural modulus	5700 / 2800	MPa	ISO 178
Flexural strength	200 / 100	MPa	ISO 178
Tensile modulus (200°C)	1600	MPa	ISO 527–1/–2
Charpy impact strength (+23°C)	45 / 80	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	40 / 40	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	7 / 15	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	6 / 6	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	6 / 10	kJ/m²	ISO 180/1A
THERMAL PROPERTIES	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	195 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	215 / *	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.3 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	1 / *	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
Thickness tested	3 / *	mm	IEC 60695-11-10
Burning Behav. at 0.75 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	0.75 / *	mm	IEC 60695-11-10
Glow Wire Flammability Index GWFI	675 / -	°C	IEC 60695-2-12
GWFI (Thickness (1) tested)	1.5 / -	mm	IEC 60695-2-12
ELECTRICAL PROPERTIES	DRY / COND		
Relative permittivity (100Hz)	4.6 / -	-	IEC 62631-2-1
Relative permittivity (1 MHz)	4 / -	-	IEC 62631-2-1
Dissipation factor (100 Hz)	230 / -	E-4	IEC 62631-2-1
Dissipation factor (1 MHz)	270 / -	E-4	IEC 62631-2-1
Volume resistivity	1E12 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	- / 1E13	Ohm	IEC 62631-3-2
Electric strength	25 / 20	kV/mm	IEC 60243-1
Comparative tracking index	425 / -	V	IEC 60112
OTHER PROPERTIES	DRY / COND		
Water absorption	8 / *	%	Sim. to ISO 62
Humidity absorption	2.5 / *	%	Sim. to ISO 62
Density	1230 / -	kg/m³	ISO 1183
PROCESSING RECOMMENDATIONS	VALUE		
Drying temperature dry air dryer	80	°C	
Drying time dry air dryer	2-6	h	
Residual moisture content	0.03-0.12	%	acc. to Karl Fischer
Melt temperature (Tmin - Tmax)	260-290	°C	
Mold temperature	80-100	°C	

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