

Durethan® BKV315ZH2.0

PA6–I–GF15

15% Glass Fiber Reinforced, Blow Molding Grade, Extrusion, Heat Stabilized, Impact Modified

Print Date: 2025–08–21

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES		DRY / COND	
Molding shrinkage (parallel)	0.9 / *	%	ISO 294–4
Molding shrinkage (normal)	0.6 / *	%	ISO 294–4
MECHANICAL PROPERTIES		DRY / COND	
Tensile modulus	5300 / 2500	MPa	ISO 527–1/–2
Stress at break	105 / 55	MPa	ISO 527–1/–2
Strain at break	5 / 19	%	ISO 527–1/–2
Flexural modulus	4800 / 2300	MPa	ISO 178
Flexural strength	165 / 75	MPa	ISO 178
Tensile modulus (200°C)	1180	MPa	ISO 527–1/–2
Charpy impact strength (+23°C)	80 / 105	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	85 / 90	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	15 / 30	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	<10 / 10	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	15 / 30	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)	175 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	210 / *	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.4 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	1.3 / *	E–4/°C	ISO 11359–1/–2
Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695–11–10

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Thickness tested	1.5 / *	mm	IEC 60695-11-10
ELECTRICAL PROPERTIES			
	DRY / COND		
Comparative tracking index	375 / –	V	IEC 60112
OTHER PROPERTIES			
	DRY / COND		
Density	1200 / –	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	0.0-0.06	%	acc. to Karl Fischer
Melt temperature (Tmin – Tmax)	270-290	°C	
Mold temperature	80-120	°C	

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