

Durethan® BKV15 DUS037

PA*—GF15

15% Glass Reinforced, Injection Molding, Heat Stabilized

Print Date: 2024–09–17

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	6000 / 3000	MPa	ISO 527–1/–2
Stress at break	125 / 75	MPa	ISO 527–1/–2
Strain at break	3 / 12	%	ISO 527–1/–2
Flexural modulus	5200 / 3100	MPa	ISO 178
Flexural strength	200 / 120	MPa	ISO 178
Charpy impact strength (+23°C)	45 / 70	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	<10 / 10	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	<10 / <10	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES	DRY / COND		
Melting temperature (10°C/min)	213 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	190 / *	°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)	0.3 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.8 / *	E–4/°C	ISO 11359–1/–2
OTHER PROPERTIES	DRY / COND		
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

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Melt temperature (Tmin – Tmax)	260–290	°C	
Mold temperature	80–100	°C	

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