

Durethan® BKV15H3.0 DUS008

PA6–GF15

15% Glass Reinforced, Injection Molding, Heat Stabilized

Print Date: 2024–08–24

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	6500 / 3100	MPa	ISO 527–1/–2
Stress at break	130 / 65	MPa	ISO 527–1/–2
Strain at break	3 / 12	%	ISO 527–1/–2
Flexural modulus	5500 / 3100	MPa	ISO 178
Flexural strength	205 / 110	MPa	ISO 178
Tensile modulus (200°C)	1810	MPa	ISO 527–1/–2
Charpy impact strength (+23°C)	50 / 100	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	45 / 45	kJ/m²	ISO 179/1eU
Izod notched impact strength (+23°C)	<10 / 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
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	

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Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
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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