

Durethan® BKV215W1

PA\*—I—GF15

15% Glass Reinforced, Injection Molding, Improved Impact

Print Date: 2024-10-08

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES		DRY / COND	
Molding shrinkage (parallel)	0.5 / *	%	ISO 294-4
Molding shrinkage (normal)	0.6 / *	%	ISO 294-4
MECHANICAL PROPERTIES		DRY / COND	
Tensile modulus	4400 / 2100	MPa	ISO 527-1/-2
Stress at break	85 / 50	MPa	ISO 527-1/-2
Strain at break	4.7 / 20	%	ISO 527-1/-2
Flexural modulus	3900 / 1900	MPa	ISO 178
Flexural strength	135 / 65	MPa	ISO 178
Charpy impact strength (+23°C)	65 / 100	kJ/m²	ISO 179/1eU
Charpy impact strength (-30°C)	80 / 80	kJ/m²	ISO 179/1eU
Izod notched impact strength (+23°C)	20 / 30	kJ/m²	ISO 180/1A
THERMAL PROPERTIES		DRY / COND	
Melting temperature (10°C/min)	214 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	180 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	205 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.5 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	1.6 / *	E-4/°C	ISO 11359-1/-2
ELECTRICAL PROPERTIES		DRY / COND	
Comparative tracking index	600 / -	V	IEC 60112

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
OTHER PROPERTIES	DRY / COND		
Density	1180 / –	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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