

Durethan BKV240H2.0D

PA6—I—GF40

40% Glass Reinforced, Impact Modified

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage (parallel)	0.35 / *	%	ISO 294-4
Molding shrinkage (normal)	0.81 / *	%	ISO 294-4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	11500 / 6500	MPa	ISO 527-1/-2
Stress at break	175 / 125	MPa	ISO 527-1/-2
Strain at break	4 / 7.5	%	ISO 527-1/-2
Flexural modulus	11200 / 7000	MPa	ISO 178
Flexural strength	295 / 170	MPa	ISO 178
Charpy impact strength (+23°C)	105 / 110	kJ/m²	ISO 179/1eU
Charpy impact strength (-30°C)	110 / 110	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	25 / 35	kJ/m²	ISO 179/1eA
Charpy notched impact strength (-30°C)	16 / 16	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
Temp. of deflection under load (1.80 MPa)	200 / *	°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)	0.2 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.65 / *	E-4/°C	ISO 11359-1/-2
ELECTRICAL PROPERTIES			
	DRY / COND		
Volume resistivity	>1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	- / 1E12	Ohm	IEC 62631-3-2

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Electric strength	30 / 25	kV/mm	IEC 60243–1
Comparative tracking index	– / 450	V	IEC 60112
OTHER PROPERTIES	DRY / COND		
Water absorption	4.9 / *	%	Sim. to ISO 62
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1430 / –	kg/m³	ISO 1183