

# Durethan<sup>®</sup> BKV15H3.0 DUS008

## PA6–GF15

15% Glass Reinforced, Injection Molding, Heat Stabilized

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
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/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	45 / 45	kJ/m <sup>2</sup>	ISO 179/1eU
Izod notched impact strength (+23°C)	<10 / 10	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b>			
	<b>DRY / COND</b>		
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
Burning Behav. at 3.0 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Burning Behav. at 0.75 mm nom. thickn.	HB / *	class	IEC 60695-11-10
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Density	1230 / -	kg/m <sup>3</sup>	ISO 1183

**PROCESSING RECOMMENDATIONS**      **VALUE**

## Property Data

# Durethan<sup>®</sup> BKV15H3.0 DUS008

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