

# Durethan<sup>®</sup> BKV115H2.0 DUS008

## PA6-I-GF15

15% Glass Reinforced, Injection Molding, Heat Stabilized, Improved Impact

Print Date: 2024-08-24

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>RHEOLOGICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Molding shrinkage (parallel)	0.5 / *	%	ISO 294-4
Molding shrinkage (normal)	0.6 / *	%	ISO 294-4
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Tensile modulus	5900 / 3000	MPa	ISO 527-1/-2
Stress at break	115 / 60	MPa	ISO 527-1/-2
Strain at break	4 / 12	%	ISO 527-1/-2
Flexural modulus	5200 / 2900	MPa	ISO 178
Flexural strength	185 / 100	MPa	ISO 178
Tensile modulus (200°C)	1550	MPa	ISO 527-1/-2
Charpy impact strength (+23°C)	65 / 100	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	45 / 45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	<10 / 15	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	<10 / <10	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength (+23°C)	<10 / 15	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Melting temperature (10°C/min)	221 / *	°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)	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 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10

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## Property Data

# Durethan® BKV115H2.0 DUS008

Print Date: 2024-08-24

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Thickness tested	1.5 / *	mm	IEC 60695-11-10
Burning Behav. at 0.75 mm nom. thicken.	HB / *	class	IEC 60695-11-10
Thickness tested	0.75 / *	mm	IEC 60695-11-10

### *OTHER PROPERTIES*

#### *DRY / COND*

Density	1230 / –	kg/m <sup>3</sup>	ISO 1183
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### *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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