

# Durethan® BKV115 DUS008

## PA6-I-GF15

15% Glass Reinforced, Injection Molding, Improved Impact

Print Date: 2024-08-24

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Tensile modulus	5600 / 2800	MPa	ISO 527-1/-2
Stress at break	115 / 65	MPa	ISO 527-1/-2
Strain at break	4 / 12	%	ISO 527-1/-2
Flexural modulus	4900 / 2500	MPa	ISO 178
Flexural strength	185 / 95	MPa	ISO 178
Charpy impact strength (+23°C)	65 / 80	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	50 / -	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
<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
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Density	1230 / -	kg/m <sup>3</sup>	ISO 1183
<b>PROCESSING RECOMMENDATIONS</b>			
	<b>VALUE</b>		
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

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## Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Melt temperature (Tmin – Tmax)	260–290	°C	
Mold temperature	80–100	°C	

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