

# Durethan® BKV130H2.0EF

## PA6-I-GF30

30% Glass Reinforced, Injection Molding, Improved flow, Improved Impact

Print Date: 2024-08-24

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>RHEOLOGICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Molding shrinkage (parallel)	0.25 / *	%	ISO 294-4
Molding shrinkage (normal)	0.7 / *	%	ISO 294-4
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Tensile modulus	9000 / -	MPa	ISO 527-1/-2
Flexural modulus	8300 / -	MPa	ISO 178
Flexural strength	235 / -	MPa	ISO 178
Charpy impact strength (+23°C)	90 / 90	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	85 / 85	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / 20	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)	13 / 20	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Temp. of deflection under load (1.80 MPa)	206 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	150 / *	°C	ISO 75-1/-2
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Humidity absorption	2.13 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m <sup>3</sup>	ISO 1183
<b>PROCESSING RECOMMENDATIONS</b>			
	<b>VALUE</b>		
Drying temperature dry air dryer	80	°C	

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## Property Data

# Durethan<sup>®</sup> BKV130H2.0EF

Print Date: 2024-08-24

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Drying time dry air dryer	2-6	h	
Residual moisture content	0.03-0.12	%	acc. to Karl Fischer
Melt temperature (Tmin – Tmax)	260-280	°C	
Mold temperature	80-100	°C	

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