

# Durethan® BKV240H2.0XCP

## PA6-I-GF40

40% 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)	0.25 / *	%	ISO 294-4
Molding shrinkage (normal)	0.73 / *	%	ISO 294-4
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Tensile modulus	11000 / 6000	MPa	ISO 527-1/-2
Stress at break	160 / 100	MPa	ISO 527-1/-2
Strain at break	5.5 / 11	%	ISO 527-1/-2
Flexural modulus	10100 / 6300	MPa	ISO 178
Flexural strength	255 / 150	MPa	ISO 178
Tensile modulus (200°C)	2710	MPa	ISO 527-1/-2
Charpy impact strength (+23°C)	110 / 125	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	105 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	30 / 50	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	17 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength (+23°C)	28 / 40	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)	203 / *	°C	ISO 75-1/-2
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Density	1410 / -	kg/m <sup>3</sup>	ISO 1183

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## Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b>PROCESSING RECOMMENDATIONS</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
Melt temperature (Tmin – Tmax)	280-300	°C	
Mold temperature	80-100	°C	

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