

Durethan® BKV130P 702214

PA6-I-GF30

30% Glass Reinforced, Injection Molding, Improved Impact

Print Date: 2024-09-17

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	9300 / 5100	MPa	ISO 527-1/-2
Stress at break	155 / 100	MPa	ISO 527-1/-2
Strain at break	4.2 / 11.5	%	ISO 527-1/-2
Flexural modulus	8700 / 5100	MPa	ISO 178
Flexural strength	260 / 150	MPa	ISO 178
Tensile modulus (200°C)	2730	MPa	ISO 527-1/-2
Charpy impact strength (+23°C)	95 / -	kJ/m²	ISO 179/1eU
Charpy impact strength (-30°C)	85 / -	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / -	kJ/m²	ISO 179/1eA
Charpy notched impact strength (-30°C)	10 / -	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	14 / -	kJ/m²	ISO 180/1A
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	205 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	222 / *	°C	ISO 75-1/-2
OTHER PROPERTIES			
	DRY / COND		
Density	1360 / -	kg/m³	ISO 1183
PROCESSING RECOMMENDATIONS			
	VALUE		
Drying temperature dry air dryer	80	°C	
Drying time dry air dryer	2-6	h	

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Property Data

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