

Durethan® ECOBKV60XF

PA6—GF60

60% Glass Reinforced, Injection Molding, Heat Stabilized, Improved flow, Recycled Content

Sustainability

Mass balanced
Recycled based

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage (parallel)	0.25 / *	%	ISO 294-4
Molding shrinkage (normal)	0.52 / *	%	ISO 294-4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	20200 / 13000	MPa	ISO 527-1/-2
Stress at break	215 / 140	MPa	ISO 527-1/-2
Strain at break	2.3 / 2.8	%	ISO 527-1/-2
Flexural modulus	18500 / 14000	MPa	ISO 178
Flexural strength	350 / 230	MPa	ISO 178
Tensile modulus (200°C)	5760	MPa	ISO 527-1/-2
Charpy impact strength (+23°C)	88 / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	15 / –	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	15 / –	kJ/m²	ISO 180/1A
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	221 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	208 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	217 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.11 / *	E-4/°C	ISO 11359-1/-2

Property Data

Durethan® ECOBKV60XF

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Coeff. of linear therm. expansion (normal)	0.85 / *	E-4/°C	ISO 11359-1/-2
OTHER PROPERTIES	DRY / COND		
Density	1690 / –	kg/m³	ISO 1183
PROCESSING RECOMMENDATIONS	VALUE		
Drying temperature dry air dryer	80	°C	
Drying time dry air dryer	2-6	h	
Residual moisture content	0.05-0.15	%	acc. to Karl Fischer
Melt temperature (Tmin – Tmax)	270-290	°C	
Mold temperature	80-120	°C	