Durethan BKV135 000000 DUS008

PA6-I-GF35 — LANXESS Deutschland GmbH

PA 6, 35 % glass fibers, injection molding, improved impact strength

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	10200 / 6000	MPa	ISO 527
Stress at break	170 / 110	MPa	ISO 527
Strain at break	3 / 7	%	ISO 527
Charpy impact strength (+23°C)	100 / 110	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	85 / 85	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	20 / 30	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	10 / 10	kJ/m²	ISO 179/1eA

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	200 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	210 / *	°C	ISO 75-1/-2

Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	290	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

Characteristics

Processing
Injection Molding

Special Characteristics
Impact modified

Delivery form
Pellets

Injection Molding

PREPROCESSING
Residual moisture content: 0-03-0.12 %
Drying temperature dry air dryer: 80 °C

Drying time dry air dryer: 2-6 h

PROCESSING
Melt temperature (Tmin - Tmax): 260-290 °C

Mold temperature: 80-100 °C

Disclaimer