

AKROMID®

B3 GF 30 1 grey (7574)

PA6 GF30

AKROMID® B3 GF 30 1 grey (7574) is a 30% glass fibre reinforced, heat stabilised polyamide 6 with high rigidity and strength

Features

heat stabilised 130

Properties

Modulus

9.900 MPa

Strength

168 MPa

Impact

Na

Mechanical Properties

Tensile modulus

ISO 527-2

1 mm/min | d.a.m.

9900 MPa

Tensile stress at break

ISO 527-2

5 mm/min | d.a.m.

168 MPa

Tensile strain at break

ISO 527-2

5 mm/min | d.a.m.

2,7 %

Thermal Properties

Melting temperature

ISO 11357-3

DSC, 10K/min

220 °C

Flammability

Flammability

UL 94

0,8 mm Wall thickness

HB Class

Burning rate (<100 mm/min)

FMVSS 302

> 1 mm Thickness

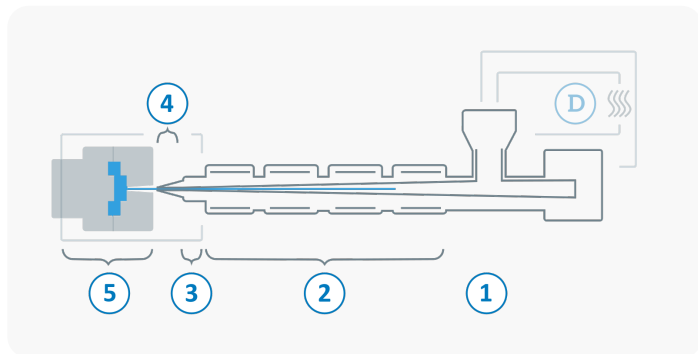
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General Properties

Molding shrinkage	flow	0,2 - 0,4 %
ISO 294-4	transverse	0,8 - 1,0 %

Processing

The values mentioned are recommendations. We only recommend desiccant / dry air dryers or vacuum dryers. Too long a drying time and the resulting residual moisture content below the lower limit can lead to filling problems and surface defects. The specified drying time refers to closed and undamaged bagged material. When processing from previously opened bags or from octabins with polyolefin inliners, a longer drying time may be necessary. It is recommended to check the residual moisture content after the drying process.



D	Drying time	0 - 4 h
	Drying temperature ($\tau \leq -30^{\circ}\text{C}$)	80 °C
	Processing moisture	0,02 - 0,1 %
1	Feed section	60 - 80 °C
2	Temperature Zone 1 - Zone 4	240 - 290 °C
3	Nozzle temperature	260 - 300 °C
4	Melt temperature	270 - 290 °C
5	Mold temperature	80 - 100 °C
→	Holding pressure, spec.	300 - 800 bar
←	Back pressure, spec.	50 - 150 bar
	Injection speed	medium to high
	Screw speed	8 - 15 m/min