

## Technical data sheet

### AUROmid® PA66 GF30 black 9005

PA 66 standard viscosity, 30% glass fiber reinforced

Properties	Test standard	Unit	Value
<b>General</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1,36 ± 0,02
Viscosity number (0,5% in 96% H <sub>2</sub> SO <sub>4</sub> )	ISO 307	cm <sup>3</sup> /g	135 ± 10
Humidity absorption (23°C, 50% R.H.)	ISO 62	%	1,4-2,2
Water absorption (23°C, water)	ISO 62	%	5-7
Filler content		%	30 ± 2
Moisture Content	ISO 760	%	< 0,2
<b>Processing</b>			
Melting temperature, DSC	ISO 11357-1/-3	°C	260
Melt Volume Rate (275°C / 5 kg)	ISO 1133	cm <sup>3</sup> /10 min	40
Inj. Molding, melt temperature	-	°C	280 – 300
Inj. Molding, mold temperature	-	°C	80 – 90
Molding shrinkage (parallel)	ISO 294-4	%	0,3-0,5
Molding shrinkage (normal)	ISO 294-4	%	0,8-1,2
Pre-drying			4-6h / 80°C
<b>Mechanical properties</b>			
Dry			
Tensile modulus	ISO 527-1/-2	MPa	8.700
Stress at break	ISO 527-1/-2	MPa	150
Strain at break	ISO 527-1/-2	%	3,0
Charpy unnotched impact strength (23°C)	ISO 179/1eU	kJ/m <sup>2</sup>	45
Charpy unnotched impact strength (-30°C)	ISO 179/1eU	kJ/m <sup>2</sup>	-
Charpy notched impact strength (23°C)	ISO 179/1eA	kJ/m <sup>2</sup>	6
Charpy notched impact strength (-30°C)	ISO 179/1eA	kJ/m <sup>2</sup>	-
<b>Flammability rating</b>			
UL 94, not accredited measurement	ISO 1210 (0,8mm)		HB
	ISO 1210 (1,6 mm)		HB

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