

**AKROMID® A3 GF 30 1 L black (4436)**

(PA66+PP)-GF30

Akro-Plastic GmbH

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	10 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	8400 / 6700	MPa	ISO 527
Stress at break	150 / 110	MPa	ISO 527
Strain at break	3 / 4.4	%	ISO 527
Flexural modulus, 23°C	8200 / 7000	MPa	ISO 178
Flexural strength	220 / 175	MPa	ISO 178
Charpy impact strength, +23°C	77 / 70	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	73 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	15 / 16	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	13 / -	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	246 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	150 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	22 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	118 / *	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.8	mm	-
Glow Wire Ignition Temperature (GWIT)	675	°C	IEC 60695-2-13
GWIT - thickness tested (1)	0.8	mm	-

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Comparative tracking index	600 / -	-	IEC 60112

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1260 / -	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Melt temperature	320	°C	-
Mold temperature	100	°C	-
Injection pressure	75	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

Europe, Asia Pacific

**Special Characteristics**

Heat stabilized or stable to heat