

AKROMID® B3 GF 30 1 L black (4491)

(PA6+PP)-GF30

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	11 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	8800 / 6800	MPa	ISO 527
Stress at break	140 / 105	MPa	ISO 527
Strain at break	3 / 4.5	%	ISO 527
Flexural modulus, 23°C	8000 / -	MPa	ISO 178
Flexural strength	200 / -	MPa	ISO 178
Charpy impact strength, +23°C	70 / 67	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	56 / 55	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	15 / 16	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	15 / 13	kJ/m ²	ISO 179/1eA
Ball indentation hardness	170 / -	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	200 / *	°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	17 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	130 / *	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	-
Electrical properties			
ISO Data			
Comparative tracking index	600 / -	-	IEC 60112
Other properties			
Density	1260 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Melt temperature	270	°C	-
Mold temperature	80	°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