

AKROMID® A3 GF 40 1 L black (4671)

(PA66+PP)-GF40

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	4 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.0 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	11800 / 8600	MPa	ISO 527
Stress at break	170 / 130	MPa	ISO 527
Strain at break	2.9 / 3.8	%	ISO 527
Flexural modulus, 23°C	11400 / -	MPa	ISO 178
Flexural strength	240 / -	MPa	ISO 178
Charpy impact strength, +23°C	80 / 73	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	73 / 68	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	17 / 17	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	17 / 16	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	245 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Glow Wire Flammability Index (GWFI)	750	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.8	mm	-
Glow Wire Ignition Temperature (GWIT)	775	°C	IEC 60695-2-13
GWIT - thickness tested (1)	0.8	mm	-

Other properties	dry / cond	Unit	Test Standard
Density	1360 / -	kg/m ³	ISO 1183

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

Characteristics**Processing**

Injection Molding

Applications

Automotive, Electrical and Electronical

Delivery form

Black

Regional Availability

Europe, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat