

AKROMID® B28 GF 35 FR black (7743)

PA6-GF35

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	12600 / 8300	MPa	ISO 527
Stress at break	155 / 106	MPa	ISO 527
Strain at break	2.5 / 4.1	%	ISO 527
Flexural modulus, 23°C	11800 / 9000	MPa	ISO 178
Flexural strength	236 / 178	MPa	ISO 178
Charpy impact strength, +23°C	65 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11 / 14	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thicken.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Yellow Card available	yes / *	-	-
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	-
Yellow Card available	yes / *	-	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.8	mm	-
Glow Wire Flammability Index (GWFI)	850	°C	IEC 60695-2-12
GWFI - thickness tested (2)	1.6	mm	-
GWIT - thickness tested (1)	825	mm	-
Glow Wire Ignition Temperature (GWIT)	0.8	°C	IEC 60695-2-13
GWIT - thickness tested (2)	825	mm	-
Glow Wire Ignition Temperature (GWIT)	1.6	°C	IEC 60695-2-13

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

Other properties	dry / cond	Unit	Test Standard
Density	1470 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	270	°C	-
Mold temperature	80	°C	-
Injection pressure	75	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free

Certifications

RoHS compliant

Applications

Electrical and Electronical

Regional Availability

Europe, Asia Pacific