

AKROMID® B28 GF 35 FR EN black (7484)

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	0.5 / *	%	ISO 294-4, 2577
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	12600 / 8300	MPa	ISO 527
Stress at break	152 / 108	MPa	ISO 527
Strain at break	2.6 / 4	%	ISO 527
Flexural modulus, 23°C	11800 / 9000	MPa	ISO 178
Flexural strength	240 / 179	MPa	ISO 178
Charpy impact strength, +23°C	66 / -	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	222 / *	°C	ISO 11357-1/-3
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	-
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			
Volume resistivity	4E11 / -	Ohm*m	IEC 62631-3-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties	dry / cond	Unit	Test Standard
Density	1460 / -	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