

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	90 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	6300 / 3000	MPa	ISO 527
Stress at break	101 / 55	MPa	ISO 527
Strain at break	3.8 / 15	%	ISO 527
Flexural modulus, 23°C	5000 / 3200	MPa	ISO 178
Flexural strength	145 / 90	MPa	ISO 178
Charpy impact strength, +23°C	65 / 85	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	50 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4 / 9	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3 / -	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
Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Burning behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.4 / *	mm	-
Oxygen index	27 / *	%	ISO 4589-1/-2
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	3.2	mm	-
Glow Wire Ignition Temperature (GWIT)	775	°C	IEC 60695-2-13
GWIT - thickness tested (1)	0.4	mm	-
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (2)	0.8	mm	-
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (3)	1.6	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	550 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Density	1300 / -	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

Certifications

RoHS compliant

AKROMID® B3 K8 9 FR natural (3976)

PA6-GF20

Akro-Plastic GmbH

Delivery form

Natural Color

Applications

Electrical and Electronical

Special Characteristics

Flame retardant, Halogen-free

Regional Availability

Europe, Asia Pacific