AKROMID® B28 GF 50 9 natural (6570)

PA6-GF50 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	**17000 / 10500**	MPa	ISO 527
Stress at break	**250 / 150**	MPa	ISO 527
Strain at break	**2.8 / 4.5**	%	ISO 527
Flexural modulus, 23°C	**15000 / -**	MPa	ISO 178
Flexural strength	**350 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**115 / 120**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**100 / -**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**22 / 26**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**16 / -**	kJ/m²	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	**220 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**220 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	**185 / ***	°C	ISO 75-1/-2
Burning behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	**1E11 / 1E8**	Ohm*m	IEC 62631-3-1
Surface resistivity	*** / 1E10**	Ohm	IEC 62631-3-2
Comparative tracking index	**600 / -**	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	**5.1 / ***	%	Sim. to ISO 62
Density	**1560 / -**	kg/m³	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

Applications
Automotive

Delivery form
Natural Color

Regional Availability
Europe, Asia Pacific