AKROMID® A3 GF 50 4 black (7282)

PA66-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	**0.6 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**17000 / 13000**	MPa	ISO 527
Stress at break	**250 / 180**	MPa	ISO 527
Strain at break	**3 / 4**	%	ISO 527
Flexural modulus, 23°C	**15500 / -**	MPa	ISO 178
Flexural strength	**380 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**110 / 115**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**110 / -**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**20 / 25**	kJ/m²	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	**260 / ***	°C	ISO 75-1/-2

Other properties	dry / cond	Unit	Test Standard
Water absorption	**4.3 / ***	%	Sim. to ISO 62
Density	**1570 / -**	kg/m³	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

Delivery form
Black

Regional Availability
Europe, Asia Pacific

Chemical Resistance
General Chemical Resistance, Hydrolytically Stable