AKROMID® T5 GF 50 6 black (8000)

PPA-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	**18500 / 18500**	MPa	ISO 527
Stress at break	**260 / 260**	MPa	ISO 527
Strain at break	**1.9 / 1.9**	%	ISO 527
Charpy impact strength, +23°C	**65 / 58**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**13 / -**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**325 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 8.00 MPa	**230 / ***	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10
Thickness tested	**1.6 / ***	mm	-
Burning behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-

Other properties	dry / cond	Unit	Test Standard
Density	**1650 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	**340**	°C	-
Mold temperature	**130**	°C	-
Injection pressure	**75**	MPa	-

Characteristics

Processing
Injection Molding

Delivery form
Black

Special Characteristics
Heat stabilized or stable to heat

Chemical Resistance
General Chemical Resistance

Applications
Automotive, Electrical and Electronical

Regional Availability
Europe, Asia Pacific