

AKROMID® T5 GF 50 8 black (6205)

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	19000 / 19000	MPa	ISO 527
Stress at break	270 / 270	MPa	ISO 527
Strain at break	2.1 / 2.1	%	ISO 527
Flexural modulus, 23°C	18500 / 18500	MPa	ISO 178
Flexural strength	410 / 350	MPa	ISO 178
Charpy impact strength, +23°C	85 / 85	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	75 / 75	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	13 / 13	kJ/m ²	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, 1.80 MPa	280 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-

Other properties	dry / cond	Unit	Test Standard
Density	1650 / -	kg/m ³	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

Certifications

Food contact, Drinking water contact, Drinking water contact KTW, Drinking water contact DVGW W270, Drinking water contact NSF 61

Regional Availability

Europe, Asia Pacific