

AKROMID® C3 GF 50 5 XTC natural (4946)

(PA66+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	17500 / 10500	MPa	ISO 527
Stress at break	255 / 160	MPa	ISO 527
Strain at break	3.3 / 5	%	ISO 527
Flexural modulus, 23°C	17000 / -	MPa	ISO 178
Flexural strength	420 / -	MPa	ISO 178
Charpy impact strength, +23°C	125 / 140	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	130 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	25 / 30	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	25 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	245 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	230 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	195 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	300	°C	-
Mold temperature	90	°C	-
Injection pressure	75	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

Europe, Asia Pacific