

AKROMID® A3 CF 20 black (3132)

PA66-CF20

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	0.7 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	15000 / 10500	MPa	ISO 527
Stress at break	200 / 150	MPa	ISO 527
Strain at break	1.5 / 3	%	ISO 527
Flexural modulus, 23°C	14000 / 10000	MPa	ISO 178
Flexural strength	290 / 210	MPa	ISO 178
Charpy impact strength, +23°C	40 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5.5 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	254 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	262 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	223 / *	°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			
ISO Data			
Volume resistivity	49000 / -	Ohm*m	IEC 62631-3-1
Other properties			
Density	1220 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Melt temperature	320	°C	-
Mold temperature	100	°C	-
Injection pressure	75	MPa	-

Characteristics**Processing**

Injection Molding

Features

Tribologic Grade

Delivery form

Black

Regional Availability

Europe, Asia Pacific