

AKROMID® C3 GF 40 1 black (4658)

(PA66+PA6)-GF40

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.0 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	12800 / 9100	MPa	ISO 527
Stress at break	220 / 145	MPa	ISO 527
Strain at break	2.6 / 5	%	ISO 527
Flexural modulus, 23°C	12200 / -	MPa	ISO 178
Flexural strength	330 / -	MPa	ISO 178
Charpy impact strength, +23°C	90 / 120	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	15 / 20	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 0.45 MPa	261 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	215 / *	°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	1E11 / 1E8	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Comparative tracking index	600 / -	-	IEC 60112
Other properties			
Density	1470 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Melt temperature	300	°C	-
Mold temperature	90	°C	-
Injection pressure	75	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

Europe, Asia Pacific