AKROMID® C3 GF 35 5 XTC black (6680)

(PA66+PA6)-GF35 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	**11500 / 8000**	MPa	ISO 527
Stress at break	**200 / 135**	MPa	ISO 527
Strain at break	**3.5 / 6.5**	%	ISO 527
Charpy impact strength, +23°C	**105 / 100**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**18 / 18**	kJ/m²	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
Coeff. of linear therm. expansion, parallel	**15 / ***	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**112 / ***	E-6/K	ISO 11359-1/-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			
Comparative tracking index	**600 / -**	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Density	**1400 / -**	kg/m³	ISO 1183

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
Black

Special Characteristics
Heat stabilized or stable to heat

Applications
Automotive

Regional Availability
Europe, Asia Pacific