

**AKROMID® C3 GF 25 1 FR black (7246)**

(PA66+PA6)-GF25

Akro-Plastic GmbH

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	9100 / 6300	MPa	ISO 527
Stress at break	137 / 95	MPa	ISO 527
Strain at break	3 / 5.5	%	ISO 527
Flexural modulus, 23°C	8800 / 6000	MPa	ISO 178
Flexural strength	225 / 160	MPa	ISO 178
Charpy impact strength, +23°C	66 / 75	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	11 / 15	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	225 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	251 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	168 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Yellow Card available	yes / *	-	-
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.4 / *	mm	-
Yellow Card available	yes / *	-	-
Burning behav. 5V at thickness h	5VA / *	class	IEC 60695-11-20
Thickness tested	1.6 / *	mm	-
Yellow Card available	yes / *	-	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.4	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	0.8	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (3)	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (1)	0.4	mm	-
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (2)	0.8	mm	-
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (3)	1.6	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Electric strength	12 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
<b>Other properties</b>			
Density	1370 / -	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Melt temperature	300	°C	-
Mold temperature	90	°C	-
Injection pressure	75	MPa	-

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**Characteristics****Processing**

Injection Molding

**Certifications**

RoHS compliant

**Delivery form**

Black

**Applications**

Automotive

**Special Characteristics**

Flame retardant, Halogen-free, Heat stabilized or stable to heat

**Regional Availability**

Europe, Asia Pacific