

**AKROMID® C3 GF 30 1 FR orange (7855)**

(PA6+PA66)-GF30

Akro-Plastic GmbH

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>10600</b>	MPa	ISO 527
Stress at break	<b>135</b>	MPa	ISO 527
Strain at break	<b>2.5</b>	%	ISO 527
Charpy impact strength, +23°C	<b>65</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>10</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn. Thickness tested	<b>V-0</b> <b>1.6</b>	class mm	IEC 60695-11-10 -
Burning behav. at thickness h Thickness tested	<b>V-0</b> <b>0.4</b>	class mm	IEC 60695-11-10 -
Glow Wire Flammability Index (GWFI)	<b>960</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>0.4</b>	mm	-
Glow Wire Flammability Index (GWFI)	<b>960</b>	°C	IEC 60695-2-12
GWFI - thickness tested (2)	<b>0.8</b>	mm	-
Glow Wire Flammability Index (GWFI)	<b>960</b>	°C	IEC 60695-2-12
GWFI - thickness tested (3)	<b>1.6</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>775</b>	°C	IEC 60695-2-13
GWIT - thickness tested (1)	<b>0.4</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>750</b>	°C	IEC 60695-2-13
GWIT - thickness tested (2)	<b>0.8</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>750</b>	°C	IEC 60695-2-13
GWIT - thickness tested (3)	<b>1.6</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Electric strength	<b>24</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>600</b>	-	IEC 60112

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1430</b>	kg/m <sup>3</sup>	ISO 1183

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

**Characteristics****Processing**

Injection Molding

**Applications**

Electrical and Electronical

**Special Characteristics**

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

**Regional Availability**

Europe, Asia Pacific

**Certifications**

RoHS compliant