

**AKROMID® C28 GF 25 FRT natural (7332)**

PA\*

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	<b>0.4 / *</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.6 / *</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>10800 / 11000</b>	MPa	ISO 527
Stress at break	<b>157 / 152</b>	MPa	ISO 527
Strain at break	<b>2.6 / 2.7</b>	%	ISO 527
Charpy impact strength, +23°C	<b>64 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>238 / *</b>	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion, parallel	<b>20 / *</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>66 / *</b>	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>V-0 / *</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6 / *</b>	mm	-
Burning behav. at thickness h	<b>V-0 / *</b>	class	IEC 60695-11-10
Thickness tested	<b>0.4 / *</b>	mm	-
Burning behav. 5V at thickness h	<b>5VA / *</b>	class	IEC 60695-11-20
Thickness tested	<b>1.6 / *</b>	mm	-
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>825</b>	°C	IEC 60695-2-13
GWIT - thickness tested (1)	<b>0.4</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>800</b>	°C	IEC 60695-2-13
GWIT - thickness tested (2)	<b>0.8</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>800</b>	°C	IEC 60695-2-13
GWIT - thickness tested (3)	<b>1.6</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Comparative tracking index	<b>600 / -</b>	-	IEC 60112
<b>Other properties</b>			
Density	<b>1430 / -</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Melt temperature	<b>300</b>	°C	-
Mold temperature	<b>90</b>	°C	-
Injection pressure	<b>75</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Certifications**

RoHS compliant

**Delivery form**

Natural Color

**Regional Availability**

Europe, Asia Pacific

**Special Characteristics**

Flame retardant, Halogen-free