

**TRISTAR® PC-05GFR**

PC-GF5

Amco Polymers

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>58.6</b>	MPa	ASTM D 638
Elongation at Break	<b>15</b>	%	ASTM D 638
Flexural Modulus	<b>2482</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 120</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>133</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>6.1</b>	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>3.05</b>	mm	-
DTUL @ 264 psi	<b>135</b>	°C	ASTM D 648

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Arc Resistance	<b>90</b>	s	ASTM D 495
<b>Other Standards<sup>[5]</sup></b>			
Comparative tracking index	<b>212</b>	-	UL 746A

S: These properties are reported by the producer according standards that are different to our defaults.

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.15</b>	%	ASTM D 570
Density	<b>1200</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>121</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Melt temperature	<b>271 - 299</b>	°C	-
Mold temperature	<b>71.1 - 93.3</b>	°C	-
Zone 1	<b>221 - 249</b>	°C	-
Zone 2	<b>266 - 293</b>	°C	-
Zone 3	<b>277 - 299</b>	°C	-
Nozzle temperature	<b>249 - 288</b>	°C	-
Back pressure	<b>0.345 - 1.38</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Release agent

**Certifications**

RoHS compliant

**Applications**

Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa