

**Polygrade® A1 CNZA010 PG309**

PET

Grupo Petropol Polímeros

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Stress at break	<b>55</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>2000</b>	MPa	ISO 178
Flexural strength	<b>75</b>	MPa	ISO 178
Izod notched impact strength, +23°C	<b>6.5</b>	kJ/m <sup>2</sup>	ISO 180/1A

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>249</b>	°C	ISO 11357-1/-3

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1320</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>120</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Melt temperature	<b>260 - 300</b>	°C	-
Mold temperature	<b>100 - 120</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, South and Central America

**Certifications**

Recycled Resin Content