

# Piolen® P G30CA63

Polypropylene Copolymer

PiO Kunststoffe GmbH & Co KG

## Message:

Piolen® P G30CA63 is a Polypropylene Copolymer (PP Copolymer) product filled with 30% glass fiber. It can be processed by injection molding and is available in Europe. Applications of Piolen® P G30CA63 include automotive and housings.

Characteristics include:

Flame Rated

Chemically Coupled

Copolymer

High Strength

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
	Copolymer		
	High Tensile Strength		
Uses	Automotive Applications		
	Housings		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	7.0	%	ISO 527-2
Flexural Modulus	4100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	8.0	kJ/m <sup>2</sup>	
23°C	15	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	17	kJ/m <sup>2</sup>	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	156	°C	ISO 306/A

--	120	°C	ISO 306/B
Peak Crystallization Temperature (DSC)	162 to 168	°C	ISO 3146
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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#### Recommended distributors for this material

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