

# Piolen® P G40CA56

Polypropylene Copolymer  
PiO Kunststoffe GmbH & Co KG

Message:

Piolen® P G40CA56 is a Polypropylene Copolymer (PP Copolymer) product filled with 40% glass fiber. It can be processed by injection molding and is available in Europe. Applications of Piolen® P G40CA56 include automotive and coating applications.

Characteristics include:

- Flame Rated
- Chemically Coupled
- Copolymer
- Impact Resistant
- Rigid

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Chemically Coupled		
	Copolymer		
	Good Flow		
	High Impact Resistance		
	Medium Rigidity		
Uses	Automotive Interior Parts		
	Protective Coverings		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	78.0	MPa	
Break	77.8	MPa	
Tensile Strain (Break)	4.4	%	ISO 527-2
Flexural Modulus	7600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	10	kJ/m <sup>2</sup>	
23°C	12	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	46	kJ/m <sup>2</sup>	

23°C	47	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	167	°C	ISO 306/A
--	120	°C	ISO 306/B
Peak Crystallization Temperature (DSC)	160 to 170	°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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