

# Piolen® P X7010

Polypropylene Homopolymer

PiO Kunststoffe GmbH & Co KG

## Message:

Piolen® P X7010 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 30% glass fiber. It can be processed by injection molding and is available in Europe. Applications of Piolen® P X7010 include automotive and seating.

Characteristics include:

Flame Rated

Chemically Coupled

Creep Resistant

High Strength

Homopolymer

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
	Good Creep Resistance		
	High Tensile Strength		
	Homopolymer		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Toilet Seats		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	95.0	MPa	ISO 527-2
Flexural Modulus	7200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	160	°C	ISO 306/A
--	135	°C	ISO 306/B
Peak Crystallization Temperature (DSC)	164 to 168	°C	ISO 3146
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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