

Piolen® P 7032G

Polypropylene Homopolymer
PiO Kunststoffe GmbH & Co KG

Message:

Piolen® P 7032G is a Polypropylene Homopolymer (PP Homopolymer) product filled with 20% glass fiber. It can be processed by injection molding and is available in Europe. Typical application: Automotive.
Characteristics include:
Flame Rated
Chemical Resistant
Creep Resistant
Homopolymer
Rigid

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Chemical Resistance		
	Good Creep Resistance		
	Good Flow		
	Homopolymer		
	Medium Rigidity		
Uses	Automotive Applications		
	Automotive Under the Hood		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.9	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	60.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	3800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	5.7	kJ/m ²	
23°C	5.8	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	22	kJ/m ²	
23°C	26	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature			
--	159	°C	ISO 306/A
--	117	°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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