

Piolen® P G15H47

Polypropylene Copolymer
PiO Kunststoffe GmbH & Co KG

Message:

Piolen® P G15H47 is a Polypropylene Copolymer (PP Copolymer) product filled with 15% glass fiber. It can be processed by injection molding and is available in Europe. Typical application: Household Applications.
Characteristics include:
Flame Rated
Copolymer
Good Aesthetics
Heat Resistant
Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
Features	Copolymer		
	Good Surface Finish		
	Good Thermal Stability		
Uses	Household Goods		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	45.0	MPa	
Break	44.0	MPa	
Tensile Strain (Break)	3.8	%	ISO 527-2
Flexural Modulus	3100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	4.5	kJ/m²	
23°C	5.3	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	18	kJ/m²	
23°C	17	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC)	160 to 170	°C	ISO 3146

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

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