

Piolen® P T30LA47

Polypropylene Copolymer

PiO Kunststoffe GmbH & Co KG

Message:

Piolen® P T30LA47 is a Polypropylene Copolymer (PP Copolymer) product filled with 30% talc. It can be processed by injection molding and is available in Europe.

Characteristics include:

Flame Rated

Impact Resistant

General Information			
Filler / Reinforcement	Talc,30% Filler by Weight		
Features	Good Flow		
	High Impact Resistance		
	Low Temperature Impact Resistance		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	18.2	MPa	
Break	15.0	MPa	
Tensile Strain			ISO 527-2
Yield	4.4	%	
Break	23	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	1.6	kJ/m ²	
23°C	8.7	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-40°C	24	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	143	°C	ISO 306/A50
--	62.0	°C	ISO 306/B50
Peak Crystallization Temperature (DSC)	160 to 170	°C	ISO 3146

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

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