

Piolen® P T40A19

Polypropylene Homopolymer
PiO Kunststoffe GmbH & Co KG

Message:

Piolen® P T40A19 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 40% talc. It can be processed by injection molding and is available in Europe. Applications of Piolen® P T40A19 include appliances, high temperature applications and housings.

Characteristics include:

Flame Rated
Chemical Resistant
Homopolymer
Rigid

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Features	Good Chemical Resistance		
	Good Flow		
	High Rigidity		
	Homopolymer		
Uses	Appliance Components		
	Electrical Housing		
	High Temperature Applications		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	30.0	MPa	
Break	24.0	MPa	
Tensile Strain (Break)	11	%	ISO 527-2
Flexural Modulus	3600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	1.4	kJ/m ²	
23°C	2.8	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	5.7	kJ/m ²	

23°C	11	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	148	°C	ISO 306/A
--	87.0	°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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