

# Piolen® P T20A37

Polypropylene Copolymer  
PiO Kunststoffe GmbH & Co KG

Message:

Piolen® P T20A37 is a Polypropylene Copolymer (PP Copolymer) product filled with 20% talc. It can be processed by injection molding and is available in Europe. Applications of Piolen® P T20A37 include furniture and housings.

Characteristics include:

Flame Rated  
Impact Resistant  
Copolymer

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Copolymer		
	Good Flow		
	High Impact Resistance		
	Low Temperature Impact Resistance		
Uses	Furniture		
	Housings		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	28.0	MPa	
Break	25.0	MPa	
Tensile Strain (Break)	45	%	ISO 527-2
Flexural Modulus	2350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	2.3	kJ/m <sup>2</sup>	
23°C	6.3	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	18	kJ/m <sup>2</sup>	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature			
--	146	°C	ISO 306/A
--	77.0	°C	ISO 306/B
Peak Crystallization Temperature (DSC)	160 to 170	°C	ISO 3146
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm, All Colors)	HB		UL 94

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Recommended distributors for this material


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