

Piolen® P T30A43

Polypropylene Copolymer
PiO Kunststoffe GmbH & Co KG

Message:

Piolen® P T30A43 is a Polypropylene Copolymer (PP Copolymer) product filled with 30% talc. It can be processed by extrusion or injection molding and is available in Europe. Applications of Piolen® P T30A43 include housings and sheet.

Characteristics include:

- Flame Rated
- Copolymer
- Good Aesthetics
- Impact Resistant

General Information			
Filler / Reinforcement	Talc,30% Filler by Weight		
Features	Copolymer		
	Good Flow		
	Good Surface Finish		
	High Impact Resistance		
Uses	Housings		
	Sheet		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.8	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	29.0	MPa	
Break	22.0	MPa	
Tensile Strain (Break)	85	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	2.5	kJ/m²	
23°C	14	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU

-40°C	13	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	117	°C	ISO 306/A
--	62.0	°C	ISO 306/B
Peak Crystallization Temperature (DSC)	162 to 170	°C	ISO 3146
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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