

Piolen® P T40A37

Polypropylene Copolymer
PiO Kunststoffe GmbH & Co KG

Message:

Piolen® P T40A37 is a Polypropylene Copolymer (PP Copolymer) product filled with 40% talc. It can be processed by injection molding and is available in Europe. Applications of Piolen® P T40A37 include automotive and coating applications.

Characteristics include:

- Flame Rated
- Copolymer
- Impact Resistant
- Rigid

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Features	Copolymer		
	Good Flow		
	Good Impact Resistance		
	Medium Rigidity		
Uses	Automotive Applications		
	Protective Coverings		
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)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	26.0	MPa	
Break	23.0	MPa	
Tensile Strain (Break)	18	%	ISO 527-2
Flexural Modulus	3200	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	3.9	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	7.2	kJ/m ²	
23°C	13	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	149	°C	ISO 306/A
--	80.0	°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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