

# Piolen® P T40FRA37

Polypropylene Copolymer

PiO Kunststoffe GmbH & Co KG

## Message:

Piolen® P T40FRA37 is a Polypropylene Copolymer (PP Copolymer) product filled with 40% talc. It can be processed by injection molding and is available in Europe. Typical application: Housings.

Characteristics include:

Flame Rated

Copolymer

Good Processability

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Features	Copolymer		
	Good Processability		
Uses	Electrical Housing		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.41	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	19.7	MPa	
Break	16.8	MPa	
Tensile Strain (Break)	4.1	%	ISO 527-2
Flexural Modulus	3900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	2.0	kJ/m <sup>2</sup>	
23°C	4.0	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	9.0	kJ/m <sup>2</sup>	
23°C	15	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	156	°C	ISO 306/A
--	87.0	°C	ISO 306/B
Peak Crystallization Temperature (DSC)	158 to 171	°C	ISO 3146

Flammability	Nominal Value	Test Method
Flame Rating	V-1	UL 94

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