Piolen® PE T30A103

High Density Polyethylene

PiO Kunststoffe GmbH & Co KG

Message:

Piolen® PE T30A103 is a High Density Polyethylene product filled with 30% talc. It can be processed by extrusion and is available in Europe. Typical application: Construction Applications.
Characteristics include:
Flame Rated
Good Aesthetics
Impact Resistant

General Information			
Filler / Reinforcement	Talc,30% Filler by Weight		
Features	Good Surface Finish Low Temperature Impact Resistance		
Uses	Construction Applications		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.19	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2
Yield	27.0	MPa	
Break	46.0	MPa	
Tensile Strain (Break)	32	%	ISO 527-2
Flexural Modulus	2100	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	6.0	kJ/m²	
23°C	19	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	No Break		
23°C	No Break		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Crystallization Temperature (DSC)	124 to 137	°C	ISO 3146
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94

Recommended distributors for this material

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