

NILENE® E10 K30T

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer 30% talcum filled, medium flow.

General Information			
Filler / Reinforcement	Talc filler, 30% filler by weight		
Features	Copolymer		
	Medium liquidity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	1.0	%	Internal method
Flow direction	1.0	%	Internal method
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Break)	20	%	ISO 527-2/50
Flexural Modulus ¹	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ISO 306/A50
--	80.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (1.60 mm)	650	°C	IEC 60695-2-12
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content ² (600°C)	30	%	ISO 3451
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 230	°C	

Mold Temperature	30.0 - 50.0	°C
Injection Rate	Moderate	
Injection instructions		
Pre-heat Temperature: 70 to 80°CPre-heat Time: 1 hr		
NOTE		
1.	1.0 mm/min	
2.	1 hr	

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