

NILENE® E10 K70BB

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer 70% barium sulphate filled, medium flow, designed for application requiring high density compound.

General Information			
Filler / Reinforcement	Barium sulfate, 70% filler by weight		
Features	High density		
	Copolymer		
	Medium liquidity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	2.05	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	0.50	%	Internal method
Flow direction	0.50	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Tensile Strain (Break)	12	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	130	°C	ISO 75-2/B
1.8 MPa, not annealed	78.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ISO 306/A50
--	96.0	°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 (3.20 mm)	HB		UL 94
Oxygen Index	21	%	ASTM D2863
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content ¹ (600°C)	70	%	ISO 3451
Injection	Nominal Value	Unit	

Processing (Melt) Temp	190 - 210	°C
Mold Temperature	40.0 - 60.0	°C
Injection Rate	Moderate	
Injection instructions		
Pre-heat Temperature: 70 to 90°CPre-heat Time: 2 hr		
NOTE		
1.	1 hr	

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