

NILENE® P15 K30C

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer medium high flow 30% calcium carbonate filled.

General Information			
Filler / Reinforcement	Calcium carbonate filler, 30% filler by weight		
Features	Homopolymer		
	Medium liquidity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	1.1	%	Internal method
Flow direction	1.1	%	Internal method
Granule Humidity ¹	0.050	%	
Reinforcement Content ² (550°C)	30	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Break)	30	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	125	°C	ISO 75-2/B
1.8 MPa, not annealed	65.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A50
--	90.0	°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
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 220	°C	

Mold Temperature	50.0 - 70.0	°C
Injection Rate	Fast	
Injection instructions		
Pre-heat Temperature: 80 to 100°CPre-heat Time: 1 hr		
NOTE		
1.	TARO 002	
2.	1 hr	

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