

NILENE® P K30T

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer 30% talcum filled flame rating UL94 HB.

General Information			
UL YellowCard	E143048-100035158		
Filler / Reinforcement	Talc filler, 30% filler by weight		
Features	Homopolymer		
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	1.1	%	Internal method
Flow direction	1.1	%	Internal method
Granule Humidity ¹	0.050	%	
Reinforcement Content ² (600°C)	30	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3150	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50
Tensile Strain (Break)	35	%	ISO 527-2/50
Flexural Modulus ³	3000	MPa	ISO 178
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	80.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A50
--	95.0	°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 (2.00 mm)	650	°C	IEC 60695-2-12
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	
3.	1.0 mm/min	

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