

NILENE® P25 K25BE

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer 25% barium sulphate filled, high flow.

General Information			
Filler / Reinforcement	Barium sulfate, 25% filler by weight		
Features	Homopolymer		
	High 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)	25	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.90 - 1.1	%	Internal method
Flow direction	0.90 - 1.1	%	Internal method
Granule Humidity ¹	0.050	%	
Reinforcement Content ² (600°C)	25	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2/1
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Break)	35	%	ISO 527-2/50
Flexural Modulus ³	2000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
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 - 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.	TARO 002
2.	1 hr
3.	1.0 mm/min

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