

NILENE® P15 K20C

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer medium high flow 20% calcium carbonate filled.

General Information			
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight		
Features	Homopolymer		
	Medium liquidity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	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
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)	35	%	ISO 527-2/50
Flexural Modulus ¹	2400	MPa	ISO 178
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 (1.8 MPa, Unannealed)	67.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50
CLTE - Flow	6.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content ² (550°C)	20	%	ISO 3451
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 220	°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

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| 1. | 1.0 mm/min |
| 2. | 1 hr |

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