

NILFLEX® 10 K15TE

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer high flow 15% mineral filled, high impact, good surface appearance.

General Information			
Filler / Reinforcement	Mineral filler, 15% filler by weight		
Features	Copolymer		
	Impact resistance, high		
	High liquidity		
	Good appearance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03 - 1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	1.0 - 1.4	%	Internal method
Flow direction	1.0 - 1.4	%	Internal method
Water Absorption (23°C, 24 hr)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Tensile Strain (Break)	75	%	ISO 527-2/50
Flexural Modulus ¹	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	200	J/m	ASTM D256
Unnotched Izod Impact (0°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	56.0	°C	ISO 75-2/A
Vicat Softening Temperature	70.0	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.60 mm	HB	UL 94	
3.20 mm	HB	UL 94	
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content ² (600°C)	15	%	ISO 3451
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 230	°C	

Mold Temperature	40.0 - 60.0	°C
Injection Rate	Moderate-Fast	
Injection instructions		
Pre-heat Temperature: 70 to 80°CPre-heat Time: 1 hr		
NOTE		
1.	1.0 mm/min	
2.	1 hr	

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