NILENE® E15 K10T

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer 10% talcum filled, medium high flow.

General Information			
Filler / Reinforcement	Talc filler, 10% filler by weight		
Features	Copolymer Medium liquidity		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.970	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	1.2	%	Internal method
Flow direction	1.2	%	Internal method
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Flexural Modulus [1]	1400	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	70	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	70.0	°C	ISO 306/B50
CLTE - Flow	6.0E-5	cm/cm/°C	ISO 11359-2
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (1.60 mm)	650	°C	IEC 60695-2-12
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Reinforcement Content [2] (600°C)	10	%	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	
1.	1.0 mm/min
2.	1 hr

Recommended distributors for this material

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