

NILENE® E20 K25MX

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer 25% mineral filled, high flow, improved scratch resistance.

General Information			
Filler / Reinforcement	Mineral filler, 25% filler by weight		
Features	Copolymer		
	High liquidity		
	Scratch resistance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.90	%	Internal method
Flow direction	0.90	%	Internal method
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/1
Flexural Modulus ¹	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	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			
--	150	°C	ISO 306/A50
--	80.0	°C	ISO 306/B50
CLTE - Flow	6.0E-5	cm/cm/°C	ISO 11359-2
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
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content ² (600°C)	25	%	ISO 3451
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 230	°C	

Mold Temperature	40.0 - 60.0	°C
Injection Rate	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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