

Polifor® 10 TE/30 NATURALE

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

Polypropylene homopolymer, 30% mineral filled

General Information			
Filler / Reinforcement	Mineral,30% Filler by Weight		
Features	Homopolymer		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage	1.0	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	20	J/m	
23°C	30	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648
Vicat Softening Temperature	95.0	°C	ASTM D1525 ¹
Ball Pressure Test (125°C)	Pass		IEC 335
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Oxygen Index	21	%	ASTM D2863
Injection	Nominal Value	Unit	
Rear Temperature	190	°C	
Middle Temperature	210	°C	

Front Temperature	230	°C
Mold Temperature	50.0 to 70.0	°C
NOTE		

1. Rate A (50°C/h), Loading 2 (50 N)

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