

Polifor® 6000/V0-AF-EP NATURALE

Polypropylene Copolymer

SO.F.TER. SPA

Message:

Polypropylene copolymer, flame retardant grade UL94 V-0, low smoke emission, without halogen and antimony oxide

General Information			
UL YellowCard	E187982-101436181	E187982-101436182	
Features	Antimony Free		
	Copolymer		
	Flame Retardant		
	Halogen Free		
	Low Smoke Emission		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage	1.4	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.8	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	°C	ASTM D648
Vicat Softening Temperature	78.0	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Needle Flame Test	Pass		IEC 60695-11-5
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index	960	°C	IEC 60695-2-12

Glow Wire Ignition Temperature	775	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Rear Temperature	180	°C	
Middle Temperature	210	°C	
Front Temperature	220	°C	
Mold Temperature	40.0 to 60.0	°C	
NOTE			
1.	Rate A (50°C/h), Loading 2 (50 N)		

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