

Polifor® 5220/V2-EP NATURALE Y1

Polypropylene
SO.F.TER. SPA

Message:

Polypropylene 20% mineral filled, flame retardant grade UL94 V-2

General Information			
UL YellowCard	E187982-227096		
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Flame Retardant		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage	1.0	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	89.0	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-2		
3.20 mm	V-2		
Injection	Nominal Value	Unit	
Drying Temperature	60.0	°C	
Drying Time	2.0	hr	
Rear Temperature	190	°C	
Middle Temperature	210	°C	
Front Temperature	230	°C	
Mold Temperature	40.0 to 60.0	°C	
NOTE			
1.	Rate A (50°C/h), Loading 2 (50 N)		

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