

TEKAPPO™ JF201

Polyphenylene Ether + PS
Mando Advanced Materials Co., Ltd.

Message:

JF201 is GF/MF 35% reinforced MPPO. JF201 has heat resistant Dimensional stability Flammability V-1

General Information			
Filler / Reinforcement	Glass \mineral, 35% filler by weight		
Features	Good dimensional stability		
	Heat resistance, medium		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 - 0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	125	MPa	ASTM D638
Tensile Elongation ² (Break)	2.0	%	ASTM D638
Flexural Modulus ³	10500	MPa	ASTM D790
Flexural Strength ⁴	157	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	51	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	129	°C	ASTM D648
1.8 MPa, not annealed	123	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating	V-1	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	100 - 120	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	260 - 305	°C	
Middle Temperature	270 - 310	°C	
Front Temperature	280 - 315	°C	
Nozzle Temperature	295 - 315	°C	
Processing (Melt) Temp	295 - 315	°C	
Mold Temperature	75.0 - 105	°C	
Injection instructions			
Injection Speed: 40 to 70%Injection Pressure - 1st: 20 to 50%Injection Pressure - 2nd: 20 to 50%Injection Pressure - Back Pressure: 0 to 20%			
NOTE			

1.	5.0 mm/min
2.	5.0 mm/min
3.	3.0 mm/min
4.	3.0 mm/min

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

