

TEKAPPO™ J100

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

Message:

J100 is PPO/PS unreinforced product and low water absorption, hydrolytic stability, dimensional stability.

General Information			
Features	Good Dimensional Stability		
	Hydrolytically Stable		
	Low to No Water Absorption		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.23	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	49.0	MPa	ASTM D638
Tensile Elongation ² (Break)	28	%	ASTM D638
Flexural Modulus ³	2500	MPa	ASTM D790
Flexural Strength ⁴	89.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	49	J/m	
23°C, 3.18 mm	180	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	137	°C	
1.8 MPa, Unannealed	126	°C	
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	105 to 110	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	250 to 300	°C	
Middle Temperature	260 to 305	°C	
Front Temperature	270 to 310	°C	
Nozzle Temperature	280 to 310	°C	
Processing (Melt) Temp	280 to 310	°C	
Mold Temperature	75.0 to 105	°C	
NOTE			

1.	50 mm/min
2.	50 mm/min
3.	3.0 mm/min
4.	3.0 mm/min

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Recommended distributors for this material

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