

# Taizhou Phenolic PF2A1-131

Phenolic

Taizhou Changxiong Plastic Co., Ltd.

Message:

Taizhou Phenolic PF2A1-131 is a Phenolic material. It is available in Asia Pacific for compression molding.

Typical applications include:

- Handles
- Appliances
- Electrical/Electronic Applications
- Wire & Cable

General Information			
Uses	Appliances		
	Cookware Handles		
	Electrical Parts		
	Handles		
	Low Voltage Insulation		
Appearance	Black		
	Blue		
	Brown		
	Colors Available		
	Green		
Forms	Red		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Density	< 1.45	g/cm <sup>3</sup>	Internal Method
Molding Shrinkage	0.50 to 0.80	%	ISO 2577
Water Absorption	< 40.0	mg	Internal Method
Compression Molding Mold Time	60.0	s/mm	
Compression Molding Molding Pressure	25.0 to 35.0	MPa	
Compression Molding Preheat Temperature	80 to 120	°C	
Compression Molding Preheat Time	5.0 to 15.0	min	
Compression Molding Temperature	160 to 180	°C	
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress	> 80.0	MPa	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	> 1.6	kJ/m <sup>2</sup>	Internal Method
Charpy Unnotched Impact Strength	> 4.5	kJ/m <sup>2</sup>	Internal Method

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 160	°C	Internal Method
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+11	ohms	Internal Method
Volume Resistivity	> 1.0E+12	ohms·cm	Internal Method
Electric Strength	> 10	kV/mm	Internal Method
Dissipation Factor	< 0.10		Internal Method

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#### Recommended distributors for this material

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