

Taizhou Phenolic PF2C3-431J

Phenolic

Taizhou Changxiong Plastic Co., Ltd.

Message:

Taizhou Phenolic PF2C3-431J is a phenolic (Phenolic) material. This product is available in the Asia-Pacific region and is processed by injection molding.

Typical application areas include:

Electrical/electronic applications

electrical appliances

Wire and cable

Automotive Industry

Handle

General Information			
Uses	Handle		
	Low voltage insulation		
	Electrical components		
	Electrical appliances		
	Application in Automobile Field		
Appearance	Brown		
	Black		
	Red		
	Available colors		
	Blue		
	Green		
Forms	Powder		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	< 1.70	g/cm ³	Internal method
Molding Shrinkage	0.60 - 0.90	%	ISO 2577
Water Absorption		mg	Internal method
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress	> 80.0	MPa	Internal method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	> 1.8	kJ/m ²	Internal method
Charpy Unnotched Impact Strength	> 5.0	kJ/m ²	Internal method
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 190	°C	Internal method
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	Internal method

Volume Resistivity	> 1.0E+13	ohms·cm	Internal method
Dielectric Strength	> 10	kV/mm	Internal method
Dissipation Factor	< 0.10		Internal method
Injection	Nominal Value	Unit	
Rear Temperature	70.0 - 80.0	°C	
Front Temperature	90.0 - 100	°C	
Mold Temperature	165 - 180	°C	
Injection Pressure	80.0 - 160	MPa	
Back Pressure	1.00 - 3.00	MPa	
Injection instructions			

Cure Time: 10 to 20 s/mm

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