

# KYOCERA AP401

Thermoset Polyester

KYOCERA Chemical Corporation

## Message:

Utilizable in wide field. (miniaturization electronics parts, high reliability parts etc.)

### Features

Excellent Dimensional Accuracy and Stability. (Possible to Shrinkage-less)

Excellent Mechanical Characteristics.

Excellent Electrical Characteristics.

Excellent fluidity. (superior filling and molding)

Possible to Mold by Low Pressure.

Possible to Fast Cure in Low Temperature.

For Compression molding, Injection molding and Transfer molding.

Good metal corrosion properties and environmental friendly compounds. Because products do not use the halogen substances in flame retardant.

General Information			
Features	Environmentally Sound		
	Fast Cure		
	Good Dimensional Stability		
	Good Electrical Properties		
	Good Flow		
Uses	Electrical/Electronic Applications		
Forms	BMC - Bulk Molding Compound		
Processing Method	Compression Molding		
	Injection Molding		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	
Molding Shrinkage - Flow	0.050 to 0.20	%	
Water Absorption (Equilibrium)	< 0.10	%	
Mechanical	Nominal Value	Unit	
Flexural Strength	100 to 120	MPa	
Impact	Nominal Value	Unit	
Charpy Unnotched Impact Strength	8.0 to 15	kJ/m <sup>2</sup>	
Electrical	Nominal Value	Unit	Test Method
Arc Resistance	> 185	sec	
Insulation Resistance			
After Boiled	1.0E+11	ohms	
Normal Condition	1.0E+13	ohms	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.710 mm)	V-0		UL 94

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