

TECOLITE KM-450(J)

Phenolic

KYOCERA Chemical Corporation

Message:

Excellent flammability and Excellent properties. Raising the reliability of parts.
Kyocera Chemical's Phenolic Molding Compounds "TECOLITE" are corresponding to the demand for raising the reliability of apparatus, such as flammability by UL regulation. "TECOLITE" have a good dimension stability under a use severe situation for a long period of time. Therefore, it is preeminent product for reliability parts. It is the best for a plug, commutators, heat-resistant electricity parts, etc.

General Information			
Features	Flame Retardant		
	Good Dimensional Stability		
Uses	Electrical/Electronic Applications		
Appearance	Black		
Physical	Nominal Value	Unit	
Specific Gravity	1.41	g/cm ³	
Molding Shrinkage			
Flow ¹	1.1 to 1.3	%	
Flow ²	0.60 to 0.80	%	
Across Flow ³	0.90 to 1.1	%	
Water Absorption (Equilibrium)	< 0.40	%	
Mechanical	Nominal Value	Unit	
Flexural Strength	88.0 to 118	MPa	
Compressive Strength	225 to 255	MPa	
Thermal	Nominal Value	Unit	
Heat Deflection Temperature	170	°C	
Insulation Resistance			
After Boiling	1.0E+8 to 1.0E+9	ohms	
As Molded	1.0E+9 to 1.0E+10	ohms	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	> 8.0	kV/mm	
Arc Resistance	140	sec	
Comparative Tracking Index	150	V	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.750 mm)	V-0		UL 94
NOTE			
1.	Injection Molding		
2.	Compression Molding		
3.	Injection Molding		

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