

TECOLITE KM-747(J)

Phenolic
KYOCERA Chemical Corporation

Message:

Provides wide range moldability and Superior cost performance and Expands the possibility of design.
Kyocera Chemical's Phenolic Molding Compounds "TECOLITE" can possible to high cycle molding and excellent stability within a cylinder. Moreover, "TECOLITE" have a wide molding condition and can be found out easily. In the parts, "TECOLITE" have small mold shrinkage factor therefore it is suitable for precision parts. It is especially the best for mass-production parts, such as a non-fuse breaker, various electric parts, and kitchen parts, etc.

General Information			
Features	Fast Cure		
	Low Shrinkage		
Uses	Electrical/Electronic Applications		
	Kitchenware		
Appearance	Black		
Physical	Nominal Value	Unit	
Specific Gravity	1.43	g/cm ³	
Molding Shrinkage			
Flow ¹	1.2 to 1.4	%	
Flow ²	0.70 to 0.90	%	
Across Flow ³	0.90 to 1.1	%	
Water Absorption (Equilibrium)	< 0.35	%	
Mechanical	Nominal Value	Unit	
Flexural Strength	78.0 to 98.0	MPa	
Compressive Strength	216 to 245	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+11	ohms	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	> 8.0	kV/mm	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.510 mm)	HB		UL 94
NOTE			
1.	Injection Molding		
2.	Compression Molding		
3.	Injection Molding		

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