

TECOLITE KM-1000

Phenolic

KYOCERA Chemical Corporation

Message:

Environmentally friendly and possible to substitution of metal parts. And High cost performance.
Kyocera Chemical's Phenolic molding compounds "TECOLITE" are environmentally friendly molding compounds. These acquired recognize UL94V-0 without any halogenated flame retardant.
These compounds have excellent properties in high temperature. Therefore, it is possible to use in high temperature environment for substitution metal parts and various electrical parts.

General Information			
Features	Environmentally Sound		
	High Heat Resistance		
Uses	Electrical/Electronic Applications		
	Metal Replacement		
Appearance	Black		
Physical	Nominal Value	Unit	
Specific Gravity	1.80	g/cm³	
Molding Shrinkage - Flow ¹	0.60	%	
Mechanical	Nominal Value	Unit	
Flexural Modulus			
23°C	15500	MPa	
200°C	12500	MPa	
Flexural Strength			
23°C	195	MPa	
200°C	100	MPa	
Compressive Strength	245	MPa	
Thermal	Nominal Value	Unit	
Heat Deflection Temperature	> 250	°C	
Insulation Resistance			
After Boiling	1.0E+10	ohms	
As Molded	1.0E+11	ohms	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	> 10	kV/mm	
Arc Resistance	180	sec	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.810 mm)	V-0		UL 94
NOTE			
1.	Compression Molding		

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