

TECOLITE KM-13N(G)

Phenolic

KYOCERA Chemical Corporation

Message:

Excellent insulation, Excellent mechanical strength and Excellent moldability. Satisfied the demanded properties.
Kyocera Chemical's phenolic molding compounds "TECOLITE" have a long years results for use in heavy electrical parts. "TECOLITE" have the outstanding properties.
Especially excellent insulation properties and also excellent intensity and good moldability. "TECOLITE" are best for the terminal parts, high-class switch parts, and telecommunication parts.

General Information			
Features	Electrically Insulating		
	Good Moldability		
	High Strength		
Uses	Electrical/Electronic Applications		
	Switches		
	Telecommunications		
Appearance	Natural Color		
Physical	Nominal Value	Unit	
Specific Gravity	1.33	g/cm ³	
Molding Shrinkage			
Flow ¹	1.4 to 1.6	%	
Flow ²	0.60 to 0.70	%	
Across Flow ³	1.1 to 1.3	%	
Water Absorption (Equilibrium)	< 0.20	%	
Mechanical	Nominal Value	Unit	
Flexural Strength	88.0 to 118	MPa	
Compressive Strength	196 to 245	MPa	
Thermal	Nominal Value	Unit	
Heat Deflection Temperature	160	°C	
Insulation Resistance			
After Boiling	1.0E+10 to 1.0E+11	ohms	
As Molded	1.0E+11 to 1.0E+12	ohms	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	> 11	kV/mm	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.710 mm)	HB		UL 94
NOTE			
1.	Injection Molding		

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| 2. | Compression Molding |
| 3. | Injection Molding |

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