

Molding Compounds “KM-13 Series” for High insulation

**Excellent insulation, Excellent mechanical strength and Excellent moldability.
 Satisfied the demanded properties.**

Characteristic

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.

Application



Test method : JIS K 6911(1995)

The values or properties are typical values, not guaranteed value.

The property data changes according to the molding method and molding conditions at actual molded parts.

Items		Unit	KM-13N(G)	KM-13B(G)	
Resin-type		-	Two-Stage	Two-Stage	
Color		-	Natural	Black	
Electrical Properties	Dielectric Strength		MV/m	> 11	
	Insulation Resistance	As Molded	ohm	10 ¹¹ - 10 ¹²	
		After Boiling	ohm	10 ¹⁰ - 10 ¹¹	
Mechanical Properties	Flexural Strength		MPa	88 - 118	
	Charpy Impact Strength		KJ/m ²	1.96 - 2.94	
	Compressive Strength		MPa	196 - 245	
	Mold Shrinkage	Compression Molding		%	0.60 - 0.70
		Injection Molding	Flow Direction	%	1.4 - 1.6
			Vertical Direction	%	1.1 - 1.3
	Water Absorption		%	< 0.2	
	Heat-Deflection Temperature		deg C	160	
	Specific Gravity		-	1.33	
Flammability Properties	Flammability		(UL-94)	HB (0.71mm)	
	Arc Resistance		s	-	
	Tracking Resistance		V	-	