

**Good moldability and Good productivity.  
Provides suitable compounds and Superior cost performance.**

## Characteristic

KYOCERA Chemical’s Phenolic Molding Compounds “TECOLITE” have a good high voltage resistance and a good moldability. “TECOLITE” are designed for insulation boards and telecommunication parts. Moreover coloring compounds are possible. Therefore can select the most suitable compounds for 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-30B(J)	KM-36C-	KM-50BD	
Resin-type		-	Two-Stage	Two-Stage	Two-Stage	
Color		-	Black	Each Color	Black	
Electrical Properties	Dielectric Strength		MV/m	> 10	> 8	
	Insulation Resistance	As Molded	ohm	10 <sup>10</sup> - 10 <sup>11</sup>	10 <sup>9</sup> - 10 <sup>10</sup>	
		After Boiling	ohm	10 <sup>9</sup> - 10 <sup>10</sup>	10 <sup>8</sup> - 10 <sup>9</sup>	
Mechanical Properties	Flexural Strength		MPa	88 - 108	88 - 108	
	Charpy Impact Strength		KJ/m <sup>2</sup>	1.96 - 2.94	1.96 - 2.94	
	Compressive Strength		MPa	-	-	
	Mold Shrinkage	Compression Molding		%	0.6 - 0.8	0.7 - 0.9
		Injection Molding	Flow Direction	%	1.1 - 1.3	-
			Vertical Direction	%	0.9 - 1.1	-
	Water Absorption		%	< 0.4	< 0.3	
	Heat-Deflection Temperature		deg C	165	165	
Specific Gravity		-	1.36	1.41		
Flammability Properties	Flammability	(UL-94)	HB (0.71mm)	HB (0.81mm)	HB (0.71mm)	