

Molding Compounds "KM-700Series" for Rapid Cure general purpose

KYOCERA Chemical Corporation

URL: <http://www.kyocera-chemi.jp/>

TEL: +81-(0)48-225-6914

**Provides wide range moldability and Superior cost performance
and Expands the possibility of design.**

Characteristic

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.

Application



Test method : JIS K 6911(1995)

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

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

Items		Unit	KM-727JK	KM-747(J)	KM-757(J)		
Resin-type		-	Two-Stage	Two-Stage	Two-Stage		
Color		-	Black	Black	Black		
Electrical Properties	Dielectric Strength		MV/m	> 10	> 8		
	Insulation Resistance	As Molded	ohm	10 ¹⁰ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	
		After Boiling	ohm	10 ⁸ - 10 ⁹	10 ⁸ - 10 ⁹	10 ⁸ - 10 ⁹	
Mechanical Properties	Flexural Strength		MPa	78 - 98	78 - 98	78 - 98	
	Charpy Impact Strength		KJ/m ²	2.45 - 3.43	2.45 - 3.43	2.45 - 3.43	
	Compressive Strength		MPa	216 - 245	216 - 245	216 - 245	
	Mold Shrinkage	Compression Molding		%	-	0.70 - 0.90	0.70 - 0.90
		Injection Molding	Flow Direction	%	1.2 - 1.4	1.2 - 1.4	1.2 - 1.4
			Vertical Direction	%	1.0 - 1.2	0.9 - 1.1	0.9 - 1.1
	Water Absorption		%	< 0.35	< 0.35	< 0.35	
	Heat-Deflection Temperature		deg C	173	170	170	
Specific Gravity		-	1.43	1.43	1.40		
Flammability Properties	Flammability		(UL-94)	HB equivalent	HB (0.51mm)	HB (0.71mm)	