



KYOCERA Chemical Corporation
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Molding Compounds “ KM-220(J), KM-350(G)” for Ammonia-Free

**Environmental friendly and Good moldability.
 Suitable compounds for the parts in the state of sealing.**

Characteristic

KYOCERA Chemical’s Phenolic Molding Compounds “TECOLITE” are environmental friendly compound. It has good moldability and it less generate to molding die such as tarnish. It not generate ammonia gas. Therefore, it is indispensable compound to relay, fuse holder, socket, and micro-switch used especially in the state of sealing.

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-220(J)	KM-350(G)		
Resin-type		-	Single-Stage	Single-Stage		
Color		-	Black	Black		
Electrical Properties	Dielectric Strength		MV/m	> 10	> 8	
	Insulation Resistance	As Molded	ohm	10 ¹⁰ - 10 ¹¹	10 ¹⁰ - 10 ¹¹	
		After Boiling	ohm	10 ⁸ - 10 ⁹	10 ⁹ - 10 ¹⁰	
Mechanical Properties	Flexural Strength		MPa	78 - 98	98 - 127	
	Charpy Impact Strength		KJ/m ²	2.45 - 3.43	2.94 - 3.92	
	Compressive Strength		MPa	196 - 225	196 - 226	
	Mold Shrinkage	Compression Molding		%	-	-
		Injection Molding	Flow Direction	%	0.7 - 0.9	0.2 - 0.4
			Vertical Direction	%	1.1 - 1.3	0.6 - 0.8
	Water Absorption		%	< 0.5	< 0.3	
	Heat-Deflection Temperature		deg C	190	195	
Specific Gravity		-	1.41	1.66		
Flammability Properties	Flammability		(UL-94)	HB (0.79mm)	V-0 (0.8mm)	
	Arc Resistance		s	-	180	
	Tracking Resistance		V	-	175	