

Molding Compounds “KM-3000(J),KM-245(G)” for Impact Resistance

KYOCERA Chemical Corporation

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Excellent impact strength.

Raising the reliability of mechanical parts under severe condition.

Characteristic

KOCERA Chemical's Phenolic Molding Compounds "TECOLITE" have a good impact resistance.

It is most reliable molding compounds for mechanical parts and power supply parts under severe condition.

It is suitable for shaft, power distribution parts and mechanical parts.

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-3000(J)	KM-245(G)	
Resin-type		-	Two-Stage	Single-Stage	
Color		-	Black	Black	
Electrical Properties	Dielectric Strength		MV/m	> 8	
	Insulation Resistance	As Molded	ohm	$10^9 - 10^{10}$	
		After Boiling	ohm	$10^8 - 10^9$	
Mechanical Properties	Flexural Strength		MPa	108 - 127	
	Charpy Impact Strength		KJ/m ²	3.43 - 4.41	
	Compressive Strength		MPa	225 - 255	
	Mold Shrinkage	Compression Molding		%	-
		Injection Molding	Flow Direction	%	1.2—1.4
			Vertical Direction	%	1.0—1.2
	Water Absorption		%	< 0.4	
	Heat-Deflection Temperature		deg C	165	
Specific Gravity		-	1.38		
Flammability Properties	Flammability		(UL-94)	HB (0.8mm)	
	Arc Resistance		s	-	
	Tracking Resistance		V	-	