TECOLITE KM-30B(J)

Phenolic

KYOCERA Chemical Corporation

Message:

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

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.

Features Good Moldability Uses Electrical/Electronic Applications Telecommunications Appearance Black Physical Nominal Value Unit Specific Gravity 1.36 gycm³ Molding Shrinkage Flow 3 6.60 to 0.80 % Flow 2 0.60 to 0.80 %	General Information			
Appearance Black Physical Nominal Value Unit Specific Gravity 1.36 g/cm³ Molding Shrinkage Flow ¹ 1.1 to 1.3 % Flow ² 0.60 to 0.80 % Across Flow ³ 0.90 to 1.1 % Water Absorption (Equilibrium) < 0.40 % Mechanical Nominal Value Unit Flexural Strength 88.0 to 108 MPa Themal Nominal Value Unit Heat Deflection Temperature 165 °C Insulation Resistance "C After Boiling 1.0E+9 to 1.0E+10 ohms A Molded 1.0E+10 to 1.0E+11 ohms Electrical Nominal Value Unit Test Method Dielectric Strength > 10 kV/mm Flammability Nominal Value Unit Test Method Rame Rating (0.710 mm) HB Unit Test Method NoTE Compression Molding Unit Test Method	Features	Good Moldability		
Appearance Black Physical Nominal Value Unit Specific Gravity 1,36 g/cm² Molding Shrinkage Flow¹ 1,1 to 1,3 % Flow² 0,60 to 0,80 % Carcias Flow³ 0,90 to 1,1 % Across Flow³ 0,90 to 1,1 % Carcias Flow³ Carcias Flow³ Morninal Value Unit Mechanical Nominal Value Unit Carcias Flow³	Uses	Electrical/Electronic Applications		
Physical Nominal Value Unit Specific Gravity 1.36 g/cm³ Molding Shrinkage		Telecommunications		
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Specific Gravity 1.36 g/cm³ Molding Shrinkage Flow ¹ 1.1 to 1.3 % Flow ² 0.60 to 0.80 % Across Flow ³ 0.90 to 1.1 % Water Absorption (Equilibrium) < 0.40 % Mechanical Nominal Value Unit Flexural Strength 88.0 to 108 MPa Thermal Nominal Value Unit Heat Deflection Temperature 165 °C Insulation Resistance C After Boiling 1.0E+9 to 1.0E+10 ohms As Molded 1.0E+10 to 1.0E+11 ohms Electrical Nominal Value Unit Test Method Dielectric Strength > 10 kV/rm Test Method Flammability Nominal Value Unit Test Method NOTE 1. Injection Molding Lu 94	Appearance	Black		
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Across Flow 3 0.90 to 1.1 % Water Absorption (Equilibrium) < 0.40 % Mechanical Nominal Value Unit Flexural Strength 88.0 to 108 MPa Thermal Nominal Value Unit Heat Deflection Temperature 165 °C Insulation Resistance After Boiling 1.0E+9 to 1.0E+10 ohms Electrical Nominal Value Unit Test Method Dielectric Strength 1.0 Nominal Value Unit Test Method Dielectric Strength 1.0 Nominal Value Unit Test Method Flame Rating (0.710 mm) HB Unit Test Method NOTE 1. Electron Molding 2. Compression Molding	Flow ¹	1.1 to 1.3	%	
Water Absorption (Equilibrium) < 0.40 % Mechanical Nominal Value Unit Flexural Strength 88.0 to 108 MPa Thermal Nominal Value Unit Heat Deflection Temperature 165 °C Insulation Resistance ** ** After Boiling 1.0E+9 to 1.0E+10 ohms ** As Molded 1.0E+10 to 1.0E+11 ohms ** Electrical Nominal Value Unit Test Method Dielectric Strength > 10 kV/mm Test Method Flame Rating (0.710 mm) HB Unit Test Method NOTE 1. Injection Molding ** Unit Test Method NOTE ** ** Unit ** ** 1. ** ** ** ** ** 1. **	Flow ²	0.60 to 0.80	%	
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Flexural Strength 88.0 to 108 MPa Thermal Nominal Value Unit Heat Deflection Temperature 165 °C Insulation Resistance After Boiling 1.0E+9 to 1.0E+10 ohms As Molded 1.0E+10 to 1.0E+11 ohms Electrical Nominal Value Unit Test Method Dielectric Strength > 10 KW/mm Flammability Nominal Value Unit Test Method Flame Rating (0.710 mm) HB Unit Unit Test Method NOTE 1. Engertion Molding Ompression Molding Compression Molding	Water Absorption (Equilibrium)	< 0.40	%	
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Heat Deflection Temperature 165 °C Insulation Resistance After Boiling 1.0E+9 to 1.0E+10 ohms As Molded 1.0E+10 to 1.0E+11 ohms Electrical Nominal Value Unit Test Method Dielectric Strength > 10 kV/mm Flammability Nominal Value Unit Test Method Flame Rating (0.710 mm) HB UL 94 NOTE 1. Injection Molding 2. Compression Molding	Flexural Strength	88.0 to 108	MPa	
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Electrical Nominal Value Unit Test Method Dielectric Strength > 10 kV/mm Flammability Nominal Value Unit Test Method Flame Rating (0.710 mm) HB UL 94 NOTE 1. Injection Molding 2. Compression Molding	After Boiling	1.0E+9 to 1.0E+10	ohms	
Dielectric Strength > 10 kV/mm Flammability Nominal Value Unit Test Method Flame Rating (0.710 mm) HB UL 94 NOTE 1. Injection Molding 2. Compression Molding	As Molded	1.0E+10 to 1.0E+11	ohms	
Flammability Nominal Value Unit Test Method Flame Rating (0.710 mm) HB UL 94 NOTE 1. Injection Molding 2. Compression Molding	Electrical	Nominal Value	Unit	Test Method
Flame Rating (0.710 mm) HB UL 94 NOTE 1. Injection Molding 2. Compression Molding	Dielectric Strength	> 10	kV/mm	
NOTE 1. Injection Molding 2. Compression Molding	Flammability	Nominal Value	Unit	Test Method
1. Injection Molding 2. Compression Molding	Flame Rating (0.710 mm)	НВ		UL 94
2. Compression Molding	NOTE			
•	1.	Injection Molding		
3. Injection Molding	2.	Compression Molding		
	3.	Injection Molding		

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