



## COPACO-125

### Material Data Sheet

**Item:**

**COPACO-125**, Extensible Electrical Insulating Paper 105C

**Description:**

Copaco-125 is a very robust electrical insulation presspaper with extremely high tensile, elongation, tear, burst and dielectric properties. It is normally supplied in with a high density, very smooth “Glazed Roll” finish .The product is well suited to be punched, formed or creased.

Copaco-125 Super Stretch insulating papers are manufactured under an extensible paper process that provides this material with twice the stretch of ordinary electrical insulating papers. This unusual elongation permits Copaco-125 to stretch and absorb energy when subjected to extreme stress. The high tear resistance will virtually eliminate torn or split insulators when used under standard practices. The extensible paper process is entirely mechanical and in no way affects the high purity or chemical properties.

COPACO-125 is available from .003" to .060" in rolls, sheets, or coils slit to your specifications.

**Typical Test Values:**

Thickness +/- 10%	Tear (g) MD	Tear (g) CD	Tensile (psi) MD	Tensile (psi) CD	Elongation % MD	Elongation % CD
.003	122	166	11326	10013	11.1	9.1
.005"	245	390	15100	7656	19.7	10.8
.007"	349	487	12753	8024	19.0	11.6
.010"	513	732	10900	6750	14.6	12.0
.012"	750	900	11200	8010	14.5	12.0
.015"	951	1336	11800	7200	19.8	14.0
.020"	1327	1902	9700	8200	18.2	12.0

Dielectric: Greater than 300 volts per mil minimum (450vpm typical)  
 Methanol Extractables: 0.15 - 0.20%  
 Density: 1.15 - 1.30g/cm<sup>3</sup>  
 PH 7.0

- These figures are typical values only and do not constitute a specification.
- Current specifications for all materials are always available on request.
- Cottrell Paper Company's continuous improvement efforts may lead to changes in the above data

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