

Dow Chemical's Wire and Cable Division
1 Riverview Drive
Somerset, NJ 08873-1139

Union Carbide Corporation

Candidate for the Electrical Test Lab
Somerset, New Jersey
www.dowwireandcable.com

JOB OVERVIEW:

Describe the purpose of this job and why it exists:

Under the direction of a Senior Research Specialist, the individual will develop new tests specific for Wire and Cable product needs. These will include testing such as electroluminescence, aged dissipation factor, tree counting, evaluation of cable accessories performance, and development of model cable testing.

A major component of the job will be to obtain materials' comparisons with regard to electrical testing performance for full sized power distribution cables as well as for materials and combinations of semiconductive materials and power cable insulations and their effect on electrical performance. The position supports the power cable and the telecom market segments.

The critical components will be for the individual to:

1. Develop the tests,
2. Perform the experiments for internal validation, and
3. To work as part of a strong technical team with the responsibility of bringing new materials to the market place.

Education/Certification Requirements

BS, MS, PhD in EE, Physics or equivalent. Work experience could be considered equivalent.

Mechanical aptitude.

Some industrial experience and understanding of polymers would be beneficial.

A working knowledge of computer applications.

Job information and working condition:

The job is located in Somerset, NJ, some travel will be required.

GOALS/COMPETENCIES

The candidate will need to bring a strong understanding of electrical properties of materials. In addition, it would be beneficial if the individual had a strong understanding of the interactions between electrical testing and polymeric materials and cable design. Willingness to learn and lead new test methods and protocols is a requirement. Strong hands-on mechanical aptitude needed.

List examples of goals that would be typical for this job:

1. Operate the electrical testing lab in a safe and reliable manner.
2. Careful measurements of electrical properties
3. Develop and execute tests in the electrical testing lab
4. Communicate orally and written, both internal and external
5. Documentation to include internal reports, patent disclosures, etc.
6. Strong interaction and teamwork with other professionals and technologists
7. Technical support to customers, our mfg. plants and the industry
8. Expand technical knowledge for Wire & Cable applications
9. Strong initiative for test method development and hands-on willingness and ability to perform electrical lab tests

Competencies

1. Teamwork
2. Initiative
3. Innovation
4. Interpersonal Effectiveness
5. Value creation

If interested, contact: Laurence H. Gross, grosslh@dow.com, 732-271-7940 (Phone), 732-271-7949 (Fax)