

Belden
Exempt Position Description

Position: Materials Development Engineer I

Organization Unit: Industrial Cable R & D

Incumbent: Open

Location: Richmond, IN

Reports to (Title): Engineering Manager, Materials Development

Approvals:

Date: August 31, 2019

SUMMARY OF POSITION:

Develops wire and cable materials to meet sales or marketing requirements. Supports and implements programs to reduce cost and improve productivity. Assists and advises other materials engineers, product, equipment and process engineers on matters relating to materials or processing in order to improve quality and/or reduce cost to improve market position.

DIMENSIONS:

Capital Equipment Budget	\$100,000 – 500,000
Long Range Projects	2 - 5
Sale of Product Supported	\$1.25B
Annual Cost Reduction Contribution	\$50,000 – 100,000
Value of Material Specified	\$100,000,000
Number of Compounds Maintained	50 - 75

PRINCIPAL ACCOUNTABILITIES:

1. Supports or implements compound or process development programs to meet new product and Sales/Marketing strategies or requirements. Recommends compounds to Engineering/Marketing for new or specific requirements.
2. Recommends and approves specific additives to be used in producing polymeric compounds. Recommends and approves the specific purchased compounds to be used in wire and cable production. Obtains applicable technical material information as required.
3. Participates with the Product Development Groups in making samples of new products on production equipment and assists in developing manufacturing specifications for new products and revision of old products involving compound changes.
4. Supports or implements Cost Reduction Programs through lower cost materials, procedures, and/or equipment.
5. Makes ecological, health, and safety considerations during the development and changes of compound or processes; reviews current practices for safety; is alert for possible ecological and safety problems in other areas of Divisional operations.
6. Develops appropriate material testing procedures for raw materials, in process materials, and finished materials. Establishes incoming raw material specifications and quality requirements.
7. Provides counsel in compounding factors as they affect product performance, requirements, cost, etc., for the Sales/Marketing Department, Product Engineering, Plant Operations Departments, Quality and other engineering groups.
8. Must be capable of complying with Company Attendance Policy.
9. Performs all other duties as assigned.

NATURE AND SCOPE

Incumbents report to the Materials Development Engineering Manager.

Requests for new or improved compound can come from all divisions and require using compound knowledge, vendors, and existing materials to develop or modify compounds to meet requirements.

Incumbents stay in close contact with vendors for new materials to improve the product or lower its cost; stay in contact with engineers to know what special or new requirements are needed.

Projects are reviewed weekly and suggestions or recommendations are given as needed.

Priorities are set by Vice President, Global R&D.

EXPERIENCE AND TRAINING REQUIRED TO PERFORM JOB

- A. B.S. degree in Polymer Engineering, Polymer Engineering Technology, Materials Science, Chemistry, Chemical Engineering or other relevant discipline.
- B. One to three years relevant experience, such as internships or undergraduate research, in addition to B.S. degree or M.S. degree
- C. Knowledge of wire and cable materials and processes preferred, but not required.

Contact:

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