

JOB DESCRIPTION (R2009858)

Product Development Research Specialist_ Product Development

The Dow Chemical Company has an exciting opportunity for right individual to fill the role of Product Development Research Specialist located in Jincheon. The Project Development Research Specialist as a member of the Dow Performance Silicone in Consumer Solutions organization, provides silicone base specialty product solution to targeted market and application such as consumer electronics, display, pressure sensitive adhesives. The key role of Product Development is technical problem solving and enhancement of formulation capability to develop differentiated product. The incumbent works closely with commercial team to explore new business opportunity and deliver innovative technical solution/product with scientific approach that would help customer success and sustainable growth aligning with business strategy. The position requires intimate knowledge of customer requirements and ability to match them to fundamental properties that our product can provide.

Key Responsibilities

- Hold self to highest standards on safety, integrity within and outside of Dow
- Develop and commercialize new products for targeted customer and application using differentiated technical solution(new chemistry set, modification or development of curing chemistry and formulation)
- Validate the efficacy of new products by laboratory testing and larger scale trials at customers, using industry standard or customer specific end use test methods.
- Scientific understandings to ensure appropriate product specification setting to allow smooth project transfer to process engineering and manufacturing.
- Solve technical problems with scientific rigor.
- Work and interact with commercialization team and process R&D, Manufacturing team in commercialization project to deliver the innovation new product to customer
- Effective communication skills are necessary for working with the external customers, and to translate the market needs into product specifications and concepts.
- Work closely with regional and global technical experts and leverage technical expertise/specialty
- Documentation of technical report, paper and maintain a technical understanding of the literature and patent
- Protect intellectual property

Required Qualifications:

- Good understanding of basic knowledge in organic and polymer chemistry
- Master/doctor degree with (<1yr working experience) in field of chemistry, chemical engineering, polymer or material science
- Research experience in the application such as electronics, display and semi-conductor.
- Strong verbal, written and presentation skill in English and Korean both for interacting frequently with customer and global team
- Lead Design of experiment and formulating to meet technical target
- Approach to literature and patent. Bring and adopt new technical idea to own development work
- Basic understanding on business and application
- Skillset for basic instrument and analytical tool which is used for mechanical property measurement and chemical analysis/material characterization(Rheometer, SEM, Microscope, Spectroscope, Chromatography etc)



Preferred Qualifications:

- Experience in leading program and project management experience is preferred
- Knowledge in materials used for Displays and Semi-conductor Fabrication can be advantage, but not critical requirement.
- Communication, interpersonal skills, and the ability to build networks will be essential to foster team success and accomplish the project objectives.
- Fluent in the English

Education:

- Master/PhD in Chemistry, Chemical Engineering and Polymer Science/Engineering is required

Dow Offers:

- Competitive salaries and comprehensive benefits
- An annual variable pay program that rewards team and individual performance while sharing success across the company
- Employee stock ownership - and the commitment to long-term success that it brings
- On-going learning opportunities within a diverse, inclusive and rewarding work environment
- Career experiences that can span different Dow businesses and functions with opportunities for personal and professional growth
- The chance to work within a global company and interact with colleagues from around the world
- Opportunities that spark your imagination and ignite your passion to help others

About Dow

Dow (NYSE: DOW) combines global breadth, asset integration and scale, focused innovation and leading business positions to achieve profitable growth. The Company's ambition is to become the most innovative, customer centric, inclusive and sustainable materials science company. Dow's portfolio of plastics, industrial intermediates, coatings and silicones businesses delivers a broad range of differentiated science-based products and solutions for its customers in high-growth market segments, such as packaging, infrastructure and consumer care. Dow operates 109 manufacturing sites in 31 countries and employs approximately 36,500 people. Dow delivered sales of approximately \$43 billion in 2019. References to Dow or the Company mean Dow Inc. and its subsidiaries. For more information, please visit www.dow.com or follow [@DowNewsroom](https://twitter.com/DowNewsroom) on Twitter.



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