

Dr. Calvin K. Johnson
Consulting Chemist
C. Johnson & Associates, LLC
15055 West 139th Street
Homer Glen, IL 60491
Phone: 708-301-4417
Fax: 708-301-0428
e-mail: cjohnson@cjohnson-associates.com

Scope of Activities:

We provide consulting services to the plastics, chemical, foundry, oil field and related industries. Effective problem solving for current product and process problems. Activities include new product development, deformation of materials, material failure analysis, expert witness, patent analysis, litigation support, technology assessments, regulatory compliance, project management and material analysis.

Education:

BA Chemistry, Olivet Nazarene University, 1959
Ph.D. Organic Chemistry, Michigan State University, 1963
Postdoctoral Fellow, Columbia University, 1964

Technical Societies:

American Chemical Society, American Foundry Society, Society of Petroleum Engineers and Technical Management Association of Chicago

Previous Experience:

3M Company, St. Paul, MN 1964-1967, Research Chemist Polymer Development; CPC International, Summit, IL 1967-1969, Group Leader Polymer Development; Acme Resin Corp., Forest Park, IL 1969-1971, Manager Foundry Resin Laboratory; 1971-1978, Technical Director; 1978-1985, Vice Pres. & Technical Director; Acme Resin Corp. (a subsidiary of Borden Chemical) 1986-1993, Sr. Vice Pres. & Tech. Director; Borden Chemical, Inc. 1993-1995, Tech. Director, Foundry and Industrials Resins; 1995-1998, Vice Pres. & Technical Director; Independent Consultant 1998 to present. Broad in depth experience in product and process development. Domestic and international experience.

Publications and Patents:

Twenty four USA patents in resins, polymers, foundry materials & processes and oil field products. Seventeen technical papers on materials and processes.

Awards:

Award of Scientific Merit from the Am. Foundry Society (AFS), 1996; elected to the AFS Research Board, 1993-1998; Chairman of Research Board, 1997-1998; President of the Research Directors Society of Chicago, 1994-1995; AFS, Division 11 Best Paper Award, 2005.

Laboratory Facilities:

A laboratory is available for material analysis, performance testing and product development.

Specializing in:

Thermosetting resins, plastics, phenolic resins, urethane resins, foundry resins, foundry coatings, metal casting processes, lost foam casting, sand reclamation & beneficial reuse, release agents, resin coated sands, oil field proppants, shell molding, no bake resins, cold box resins, furan resins, insulation binders, friction materials, refractory binders, composites, adhesives, molding compounds, photo resist resins, forest products resins, UF resins, toy materials, orthopedic bandages, detergents, material safety data sheets, abrasives, material analysis, deformulations, performance testing, chemical analysis and material failure analysis.