

Asociación de Investigación de Materiales Plásticos – AIMPLAS – Spain



Type: SME

Nº of Employees: 62

Description: AIMPLAS has offered its services to the Plastic industry sector since 1990 related to technological research and development of plastic materials & products and its transformation processes.

The justification for AIMPLAS to carry out the activities in the project is based on its knowledge and experience of plastic materials and processes:

- Development of compounds and compounding process optimization to improve the compatibility between the polymeric matrix and fillers.
- Optimisation of plastic formulations in order to fit their applications.
- Processability tests on new materials and additives.
- Study of plastic recyclability and new applications for recycled materials.
- Improvement and optimization of plastic transforming processes (extrusion, co-extrusion, injection & co-injection moulding, etc.).
- Materials' characterisation tests (laboratories accredited by ENAC, the Spanish accreditation body): chromatography, spectrophotometry, thermal analysis, rheometry, weathering (accelerated and natural), mechanical properties (tensile strength, flexion, compression, impact, hardness) and optical properties (colour, haze).

Furthermore, AIMPLAS has a wide experience in R&D projects. Actually, it is involved in 16 European projects from the V and VI Framework Programme and leads the creation of EuroVIPP (The European Virtual Institute for Plastic Processing) funded by the EC.

Besides, AIMPLAS co-operates actively with other European RTDs to support the European plastic sector with technological innovation through two European networks:

- EU-ROPLAS (European Union Research Organisations for the Plastic Industry)
- EurExcel (European Association for innovating SMEs)

Main tasks: Member of the Board, SP Leader "R&D". Leader of WP7 & 10. Polymer processing and final application development. Active in WPs 2, 4, 5, 6, 8, 13 & 14

Degree of Involvement: 175PM

Key staff:

Mrs. Liliana Chamudis-Varan, B.Sc in Chemistry, specialised in polymers. Head of the Projects Department in AIMPLAS. She has 21 years experience in the plastic sector in R&D, Innovation & Technical Assessment. She has been involved in technical and management activities in 15 EU & International projects in the last years (Craft, GROWTH, EUREKA, Innovation, etc.), directly as Technical Manager in 10 of those projects.

Dr. Concha Sanz-Box, Ph.D Technical Director of AIMPLAS since 1990. She is responsible for AIMPLAS' Technical Area (Laboratories & Processing), large experience in plastic materials and plastic processing technologies.

Mr Serafín García-Navarro, Technical Engineer in Electronics, working in Process Department since 1996 in Aimplas with expertise in simulation and plastic parts design.

Dr. Adolfo Benedito-Borrás, Ph.D, working in Chemical Laboratory and Process Department from 1996 in Aimplas. Expertise in rheological analysis and plastics compounding process.