

# Alaz Tetik

## Chemical Engineer

*actively seeking a job*



### Summary

A highly experienced R&D chemical engineer with expertise in the paints, coatings, composite, and packaging industries. Specialized in polymers, plastics, new product development, and improvement. Proficient in working in fast-paced, collaborative industrial environments. Profoundly interested in all life-cycle stages of products, from concept to product's market release, and customer feedback.

### Skills & Knowledge

#### Materials

**polymers**, polyester, polyurethane, epoxy, hybrid/modified-silyl (MS), polysulfide, vinyl, polyethylene, polypropylene, construction chemicals

#### End-products

**coating**: adhesive, sealant, primer, mortar, flooring, water-proofing, gelcoat, pigment paste, thixotropic

**composite**: casting, lamination, lay-up, spray-up, putty, FRP, RTM, SMC, BMC, pultrusion, Breton, infusion, quartz surface

**packaging**: flexible films, food packaging, industrial packaging, OPE, EVOH, co-/mono-extrusion

#### Instrumentation

**mechanical testing**: Zwick (flexural, tensile), HDT/VICAT, impact (charpy, Izod), Barcol (hardness), CoF, thickness gauge (Octagon),

**thermal testing**: DSC, TGA, DMA, SIT

**conditioning testing**: Q-FOG, Q-UV

**optical testing**: glossmeter, refractometer, x-rite (color), FTIR, XRD, SEM, TEM, UL-94 (flammability), viscometer, MasterSizer, oxygen index (OI), GC-MS

#### Standards

**management**: ISO 9001 (lead auditor), TS ISO EN/IEC 17025 (laboratory accreditation), ISO 14001, ISO 50001, BRCGS (food contact packaging), ISCC PLUS, HACCP

**testing**: mechanical, thermal, optical, chemical (ASTM, ISO, DIN, BSI)

**Tools**: DoE, SOLID CAM/CAD, CNC machining, OCS (optical control), pilot-scale production (batch and flush reactor), ERP, MRP, CRM, QMS, PMS/PLM

**Methodologies**: Kanban (Agile), 5S, QFD, FMEA, GMP

**Languages**: **English** (advanced), **German** (A2), **Turkish** (native)

**Collaboration**: Trello, ClickUp, Slack, Discord, M-Files

**Soft**: self-management, communication, teamwork, leadership, adaptability, problem-solving, planning, project management, time management, networking, persistence, negotiation, organization

### Contact

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### Personal

**Birth**: 1986, Eskişehir

**Driving licences**: A, B

Military duty completed

Married, Do not smoke

### Interests

linguistics, history, creative drama, go/baduk, biking, basketball, art & design, photography

## Experience

**Polifilm / Sekuro**, R&D Executive (2021-22)  
**KYK Yapı Kimyasalları**, R&D Engineer (2017-21)  
**TEZKOM Kompozit**, Laboratory Supervisor (2016-17)  
**ESKİM Kimya**, R&D Engineer (2015-17)  
**ENTEKNO**, R&D Project Engineer (2013-14)  
**Freelance Developer**, Web Apps (2016-23)  
**Translator**, EN-TR / TR-EN (2005-13)

## Education

**BA in Chemical Engineering (ChemE)**, Ankara University (2013)  
**BA in Management Information Systems (MIS)**, Anadolu U. (2020)  
**ISO 9001 (Lead Auditor)**, **ISO 14001**, **ISO 50001**, Lloyd's Register (2021)  
**BRCGS Packaging Materials**, Lloyd's Register (2021)  
**TS EN ISO/IEC 17025:2017**, TMMOB (2019)  
**ReFa Work & Time Study**, CARDEA (2021)

## References

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## Projects

**Polyurethane**: New products development, KYK Yapı Kim. (2017-21)  
**Vinyl ester**: New resin synthesis, ESKİM Kim. (2015-17)

## Communities

Creative Drama, ESDAĞ,  
Eskişehir Software Devs,  
Linux Kullanıcıları Derneği,  
Türkiye Go Oyuncuları  
Derneği, TMMOB

