

Mixing & Compounding

ARDL's compound development services can help you reduce costs, develop new products, improve quality and reliability, problem-solve, meet specifications and promote quality control.

From highly technical developments to simply adapting one of the more than 5,000 compounds in our recipe library, ARDL's experienced staff can effectively and cost efficiently provide you with the formulations that meet your unique objectives.



Calendering

Prototype your project to your specific needs by using ARDL's laboratory-size equipment for calendering. Produce valuable insight and testing opportunities prior to expanding your product to commercialization.

ARDL has a 4-roll inverted-L laboratory calender capable of skim coating fabric or calendering rubber and plastic sheets from 0.020" to 0.500" thick and up to 10 inches in width. The calender is oil heated and can obtain temperatures up to 204°C (400°F) for your thermoplastic requirements.

You can use our calender to start up a new product line or to improve an existing product. Use our facilities for adhesion testing, rubber-to-fabric, rubber-to-metal, and rubber-to-rubber bonding.

Additional Mixing & Compounding Services

- Compound & Process Development
- Compounding & Mixing (Instrumented Banbury®)
- Curing
- Evaluative Testing
- Molding
- Mold Prototyping
- Problem Solving
- Processability Testing
 - Extrudability*
 - Mooney Viscosity*
 - Mooney Scorch*
 - Rheometer*
 - Vulcanization*

