



**CREPIM**  
**Technological Center**  
Parc de la Porte Nord  
Rue Christophe Colomb  
Bruay La Buisnière France  
Tél: 00 33 (0)3 21 61 64 00  
Fax: 00 33 (0)3 21 61 64 01  
[Franck.poutch@crepim.fr](mailto:Franck.poutch@crepim.fr)  
[www.crepim.fr/com/org](http://www.crepim.fr/com/org)

## CREPIM

Your key partner for guarantying safer fire proof materials and assemblies

Fast compounding platform and pilot platform to produce short batches of FR tailor made compounds up to 500 kg



**Contact :** Mr. Franck POUTCH, President

### CREPIM

Parc de la Porte Nord  
Rue Christophe Colomb  
62700 Bruay La Buisnière, France  
<http://www.crepim.fr/en/>  
Email [franck.poutch@crepim.fr](mailto:franck.poutch@crepim.fr)

Tél : 00 33 3 21 61 64 00 / 00 33 6 85 41 50 33 24/24 - Fax : 00 33 3 21 61 64 01

CREPIM  
Société par Actions Simplifiée -792 178 816 R.C.S. ARRAS  
Siege sociale : Parc de la Porte Nord - rue Christophe Colomb.  
62700 BRUAY LA BUISSIÈRE France  
Tél.: 03.21.61.64.00 Fax : 03.21.61.64.01 E-mail : [contact@crepim.fr](mailto:contact@crepim.fr)  
SIRET 792 178 816 00015 / APE 7112B / T.V.A. FR 85 792 178 816



**CREPIM**  
**Technological Center**  
Parc de la Porte Nord  
Rue Christophe Colomb  
Bruay La Buisserie France  
Tél: 00 33 (0)3 21 61 64 00  
Fax: 00 33 (0)3 21 61 64 01  
[Franck.poutch@crepim.fr](mailto:Franck.poutch@crepim.fr)  
[www.crepim.fr/com/org](http://www.crepim.fr/com/org)

## Fast compounding platform and pilot platform to produce short batches of FR tailor made compounds up to 500 kg

---

Crepim has been developing for years FR polymer based formulation to help our partner to upgrade the formulation according to market requirements. We have now a database of 80 formulations, which stands for a technical base to design quickly tailor made formulation for customers.

More and more our partners need to turn over their customers a demonstrator, which fits with the end use applications. That means not only a tailor made recipe and a fire test report, but also few kgs of FR compound to demonstrate the processability through real scale industrial tools - injection molding for most of our thermoplastic based development

This is the hard point because the supplier market is not really flexible to delivers low amounts of compounded polymers. And this lack of solution can compromise the demonstration pilot phase, which secures the couple product & process

Crepim has decided to tackle this problematic by completing our offer. Up to know, Crepim uses a fast compounding platform with low scale compounding machineries to develop proactively the FR compound. The return ticket between development and testing has always been a success guarantee within short time laps

Our offer figures now two levels

### **1: A« fast screening compounding » platform** to develop Taylor made FR compounds.

- Formulation adjustments and optimization.
  - PP, PC, PA 6 & 6 6....
  - PC VO reach compliant
  - PP M2 halogen free
  - PU V0 halogen free
  - ABS/PC, PET...
- Plastic materials compatibility.
- New additives and fillers for plastics incorporation.
- Fillers dispersion studies.

CREPIM  
Société par Actions Simplifiée -792 178 816 R.C.S. ARRAS  
Siege sociale : Parc de la Porte Nord - rue Christophe Colomb.  
62700 BRUAY LA BUISSIERE France  
Tél.: 03.21.61.64.00 Fax : 03.21.61.64.01 E-mail : [contact@crepim.fr](mailto:contact@crepim.fr)  
SIRET 792 178 816 00015 / APE 7112B / T.V.A. FR 85 792 178 816



**CREPIM**  
**Technological Center**  
Parc de la Porte Nord  
Rue Christophe Colomb  
Bruay La Buissière France  
Tél: 00 33 (0)3 21 61 64 00  
Fax: 00 33 (0)3 21 61 64 01  
[Franck.poutch@crepim.fr](mailto:Franck.poutch@crepim.fr)  
[www.crepim.fr/com/org](http://www.crepim.fr/com/org)

Also note that Crepim is in deeply connected to EFRA and PINFA and we propose only mature, worldwide sourced and REACH compliant Fire retardant

2 We have now completed this first disposition with a Pilot platform with **the ability to produce short batches of special compounds up to 500 kg** to accelerate the scale up & industrialization,

- Securing of the industrialization process with low marginal cost added
- Proactive service and quick delivering of the compound



This offer aims to give you more versatility in your product development by controlling the downstream phase. By investigation process ability of deliver the right material with the right properties

Feel free to use our polymeric expertise for accelerating you development or for revitalizing you frozen projects. Our skills feature a full range of thermoplastic application

CREPIM  
Société par Actions Simplifiée -792 178 816 R.C.S. ARRAS  
Siege sociale : Parc de la Porte Nord - rue Christophe Colomb.  
62700 BRUAY LA BUISSIÈRE France  
Tél.: 03.21.61.64.00 Fax : 03.21.61.64.01 E-mail : [contact@crepim.fr](mailto:contact@crepim.fr)  
SIRET 792 178 816 00015 / APE 7112B / T.V.A. FR 85 792 178 816



**CREPIM**  
**Technological Center**  
Parc de la Porte Nord  
Rue Christophe Colomb  
Bruay La Buisnière France  
Tél: 00 33 (0)3 21 61 64 00  
Fax: 00 33 (0)3 21 61 64 01  
[Franck.poutch@crepim.fr](mailto:Franck.poutch@crepim.fr)  
[www.crepim.fr/com/org](http://www.crepim.fr/com/org)

## Annex 1 « fast screening compounding » platform

« **fast screening compounding** » **plateform** to develop Taylor made FR compounds.

- Formulation adjustments and optimization.
  - PP, PC, PA 6 & 6 6....
  - PC VO reach compliant
  - PP M2 halogen free
  - PU V0 halogen free
- Plastic materials compatibility.
- New additives and fillers for plastics incorporation.
- Fillers dispersion studies.

Also note that Crepim is in deeply connected to EFRA and PINFA and we propose only mature, worldwide sourced and REACH compliant Fire retardant

All the tools needed to measure the thermal stability are available at CREPIM to verify the **processing compatibility** between the thermoplastic resin and additives considered. And our **processing and rapid assessment platform**, by **small-scale** processes, compares the solutions without engaging heavy transformation campaigns and time-consuming matter.



CREPIM  
Société par Actions Simplifiée -792 178 816 R.C.S. ARRAS  
Siege sociale : Parc de la Porte Nord - rue Christophe Colomb.  
62700 BRUAY LA BUISSIÈRE France  
Tél.: 03.21.61.64.00 Fax : 03.21.61.64.01 E-mail : [contact@crepim.fr](mailto:contact@crepim.fr)  
SIRET 792 178 816 00015 / APE 7112B / T.V.A. FR 85 792 178 816



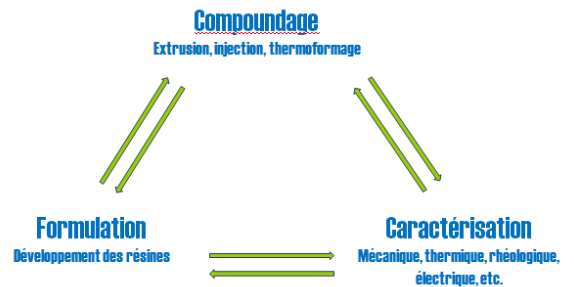
**CREPIM**  
**Technological Center**  
Parc de la Porte Nord  
Rue Christophe Colomb  
Bruay La Buisserie France  
Tél: 00 33 (0)3 21 61 64 00  
Fax: 00 33 (0)3 21 61 64 01  
[Franck.poutch@crepim.fr](mailto:Franck.poutch@crepim.fr)  
[www.crepim.fr/com/org](http://www.crepim.fr/com/org)

- **Rapid Processing :**

- Twin screw  $\mu$ -extruder
- $\mu$ -injection molding 16 Bars
- ... Please contact us to check the available molds

- **Rapid Assessment:**

- Melt Flow Index
- Thermo Gravimetric Analysis (degradation temperature)
- DCS analysis (Melting point / glass transition temperature)
- Thermo-mechanical analysis (Rheometer)
- Mechanical properties (Tensile, Compression, Three points Bending)



CREPIM

Société par Actions Simplifiée -792 178 816 R.C.S. ARRAS  
Siege sociale : Parc de la Porte Nord - rue Christophe Colomb.  
62700 BRUAY LA BUISSIERE France

Tél.: 03.21.61.64.00 Fax : 03.21.61.64.01 E-mail : [contact@crepim.fr](mailto:contact@crepim.fr)  
SIRET 792 178 816 00015 / APE 7112B / T.V.A. FR 85 792 178 816





**CREPIM**  
**Technological Center**  
Parc de la Porte Nord  
Rue Christophe Colomb  
Bruay La Buisnière France  
Tél: 00 33 (0)3 21 61 64 00  
Fax: 00 33 (0)3 21 61 64 01  
[Franck.poutch@crepim.fr](mailto:Franck.poutch@crepim.fr)  
[www.crepim.fr/com/org](http://www.crepim.fr/com/org)

## Annex 2: Pilot platform

We have now completed this first disposition with a Pilot platform with **the ability to produce short batches of special compounds up to 500 kg** to accelerate the scale up & industrialization,

- Securing of the industrialization process with low marginal cost added
- Proactive service and quick delivering of the compound

We propose:

### Production of Pellets :

- Masterbatch – Dilution - Formulation
- Twin screw Extruder L/D= 32
- Single screw Extruder

### Production of strip:

- Single layer strip Extrusion 100\*1.5mm
- Bilayer A/B strip Co-extrusion de 60\*1.8mm

### Production of specimen :

- Manual thermoforming press
- 2500 Bars injection molding press
- Please contact us to check the available molds



**Please note that we are not a raw material producer, and that our production capacity is limited at 500 kg per batch.**

CREPIM  
Société par Actions Simplifiée -792 178 816 R.C.S. ARRAS  
Siege sociale : Parc de la Porte Nord - rue Christophe Colomb.  
62700 BRUAY LA BUISSIÈRE France  
Tél.: 03.21.61.64.00 Fax : 03.21.61.64.01 E-mail : [contact@crepim.fr](mailto:contact@crepim.fr)  
SIRET 792 178 816 00015 / APE 7112B / T.V.A. FR 85 792 178 816