

TECHNICAL ASSISTANCE

A high-performance multi-site organization:

- Technical assistance
- Trained engineers in many territories
- Shipment of spare parts within 24 h
- Real time trouble shooting
- Various training course levels

Spare parts



Training



Remote assistance

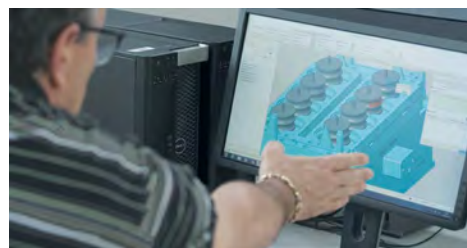


PROCESS AND TOOLING

Application Department to assist you

- Process development
- Mould design
- Training
- Technical assistance on site
- Specific technology (CRB, cold chamber ...)
- Material performances tests

Mold Design



CRB



Customized Test



DEVULCANIZATION

EQUIPMENT

A VALUE-CREATING INNOVATION



REP international

15 rue du Dauphiné
69960 CORBAS
FRANCE

☎ : +33 472 215 353

Fax : +33 472 512 235

✉ commercial@repinjection.com

www.repinjection.com

BRAZIL - REP Injetoras de Borracha

Rua Amorim Diniz, 60 - Room 01
Jardim Jaú
São Paulo - SP - 03630-040
☎ : +55 11 2924 5954

CHINA - URP

No.58 Hehua Road,
LANGFANG ETDZ,
Hebei province
☎ : +86 316 6079075

RUSSIA - REP Материалы и Технологии

111397, г. МОСКВА,
Зеленый проспект, д. 20,
этаж 7, пом. 1, ком. 23.
☎ : +7 495 708 4486

ITALY - REP Italiana

Via Galileo Ferraris 16/18
10040 DRUENTO (TO)
☎ : +39 11 42 42 154

INDIA - REP Machines Manufacturing Private Limited

Plot No. 112, 4th Road,
Jigani Industrial Area, II Phase
Anekal Taluk, BANGALORE,
Karnataka - 562106
☎ : +91 98453 90426

GERMANY - REP Deutschland

Sauergasse 5-7
69483 WALD-MICHELBACH
☎ : +49 6207 9408 0

UNITED STATES - REP Corporation

310 Katom Drive
KODAK, Tennessee 37764
☎ : +1 847 697 7210



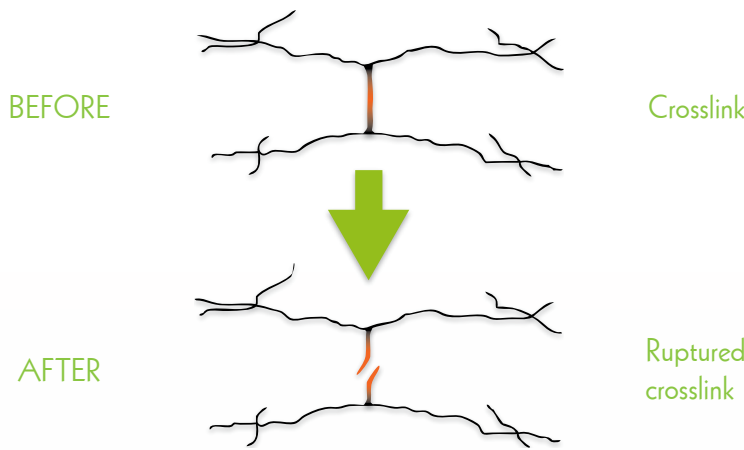
RUBBER
IN MOTION

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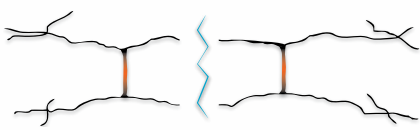
DECREASE YOUR COMPOUND COST ELIMINATE YOUR DISPOSAL COSTS

The purpose of the HSM technology is to devulcanize rubber production scraps and reintroduce them into the production chain. This patented process applies to any kind of uncontaminated rubber production waste.

DEVULCANIZE YOUR RUBBER



The HSM process produces a REAL SUBSTITUTE for your virgin compound, not simply a filler as produced by shredding / granulation!



KEEP YOUR COMPOUND PROPERTIES

A THERMO-MECHANICAL PROCESS:



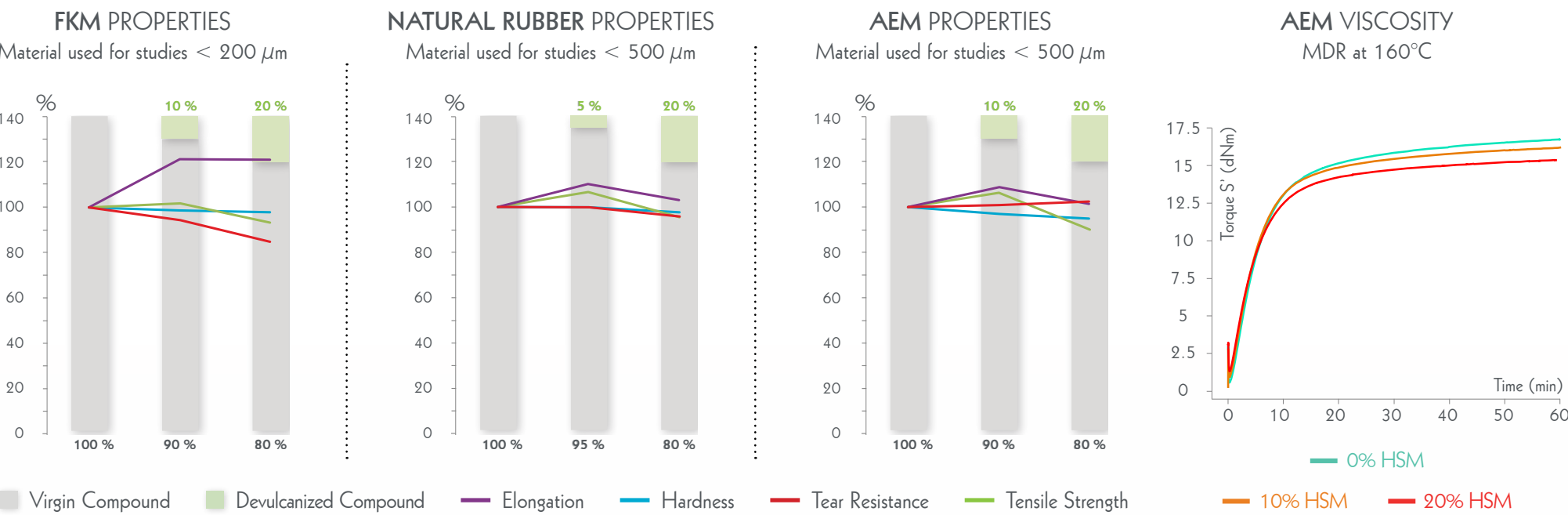
- No chemical additive
- No modification of the recipe content
- Applicable to any kind of rubber (except silicone)
- Vulcanization system to be adjusted only

ROTOR / STATOR DESIGN WITH VARIABLE PARAMETERS

PROCESS PARAMETERS

- Rotation Speed
 - Pressure Control
 - Temperature Control
- ➡ Temperature regulated: 80°C Max to protect the compound and maintain properties

IMPACT ON THE BASIC MECHANICAL SPECIFICATIONS (These results are furtherly optimizable by adjusting the vulcanization system.)



EQUIPMENT

- HSM machine capacity up to 600 t per year (500 μm , depending on the rubber)
- REP's international support network is available for installation and maintenance of the machine

