



Modified Engineering Plastics

2020

ReCompounds



PENTAC ReCompounds for more than 20 years

Doing pioneer work on behalf
of our environment

PENTAC Polymer GmbH, a mid-sized, independent and family owned company, is known for innovation, reliability and quality of their engineering plastics.

PENTAC develops and manufactures tailor made products for a wide range of applications. Especially the automotive industry has certified and approved our materials for high end use – in particular PENTAC puts emphasis on ReCompounds for more than 20 years.

Our customers benefit from our longterm experience in high end compounds fulfilling all requirements of a challenging market.

Polyamide injection molding compounds form the core of our business model.

Significant growth of our business during the last years were the base for substantial investments in our production and logistics facilities. PENTAC's actual capacity adds up to about 30,000 tons of compounds annually.



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Otto-Hahn-Straße 12
D-64823 Groß-Umstadt

Phone: + 49 (0) 6078.9323-0
Fax: + 49 (0) 6078.9323-99
info@pentac.de

www.pentac.de

PENTAC
Compounding Company



OEM
Automotive industry

Tier
Molder

ReCompounds



Applications

- Engine and belt covers
- Air intake manifold
- Cylinder head cover
- Gearshift brackets, pedals
- Wiring harness channels, connectors and switches
- Caps, engine mounts
- Control box brackets, relay trays
- Filter housings
- Air guides

Tailor-made, customized engineering materials

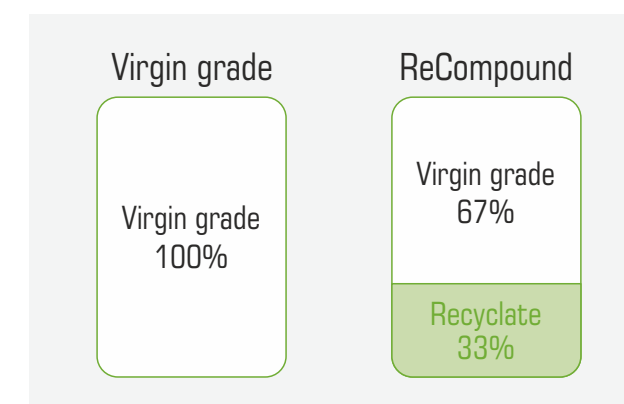
PENTAC's ReCompounds

Why ReCompounds?

The requirement of ELV directive 2000/53/EG for a significant increase in vehicle usability rate will be marked in the following years!

Advantages at a glance:

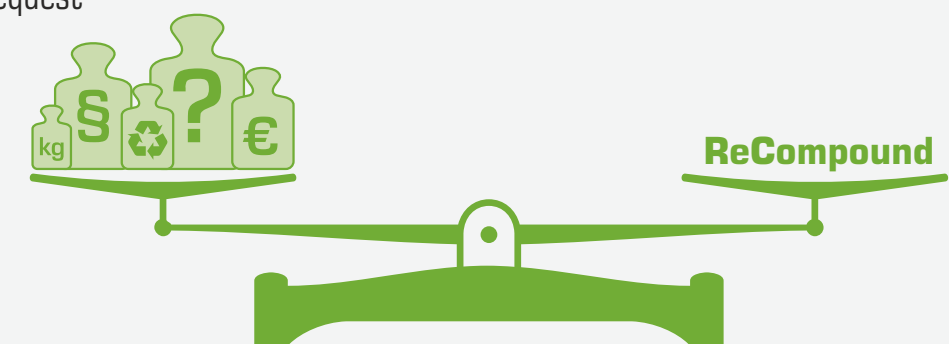
- large processing window
- excellent surface quality
- improved flowability
- improved mechanical properties
- compliant to REACH/RoHS
- reduction of costs
- CO₂ saving



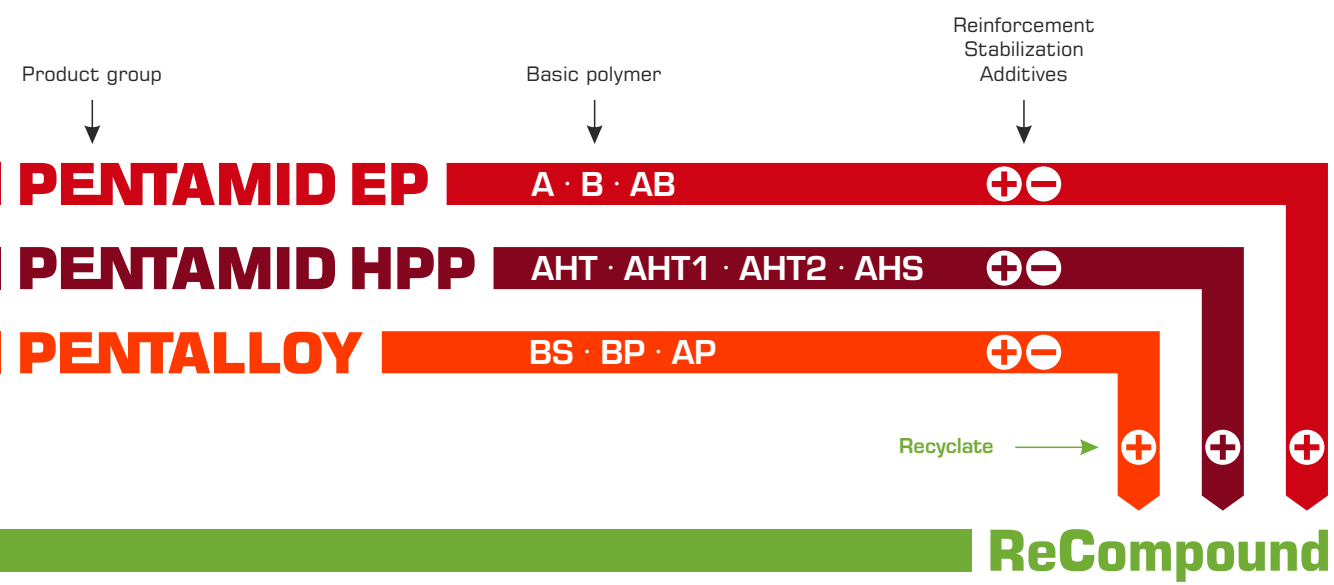
Comparison between virgin grade and ReCompound according to EU End-of-life Vehicle Directive 2000/53/EG.

The use of PENTAC ReCompounds in the automotive industry can compensate the request from the market now and long term.

Market request



Assembly scheme and classification



Product group: **EP** Engineering Polymer | **HPP** High Performance Polymer

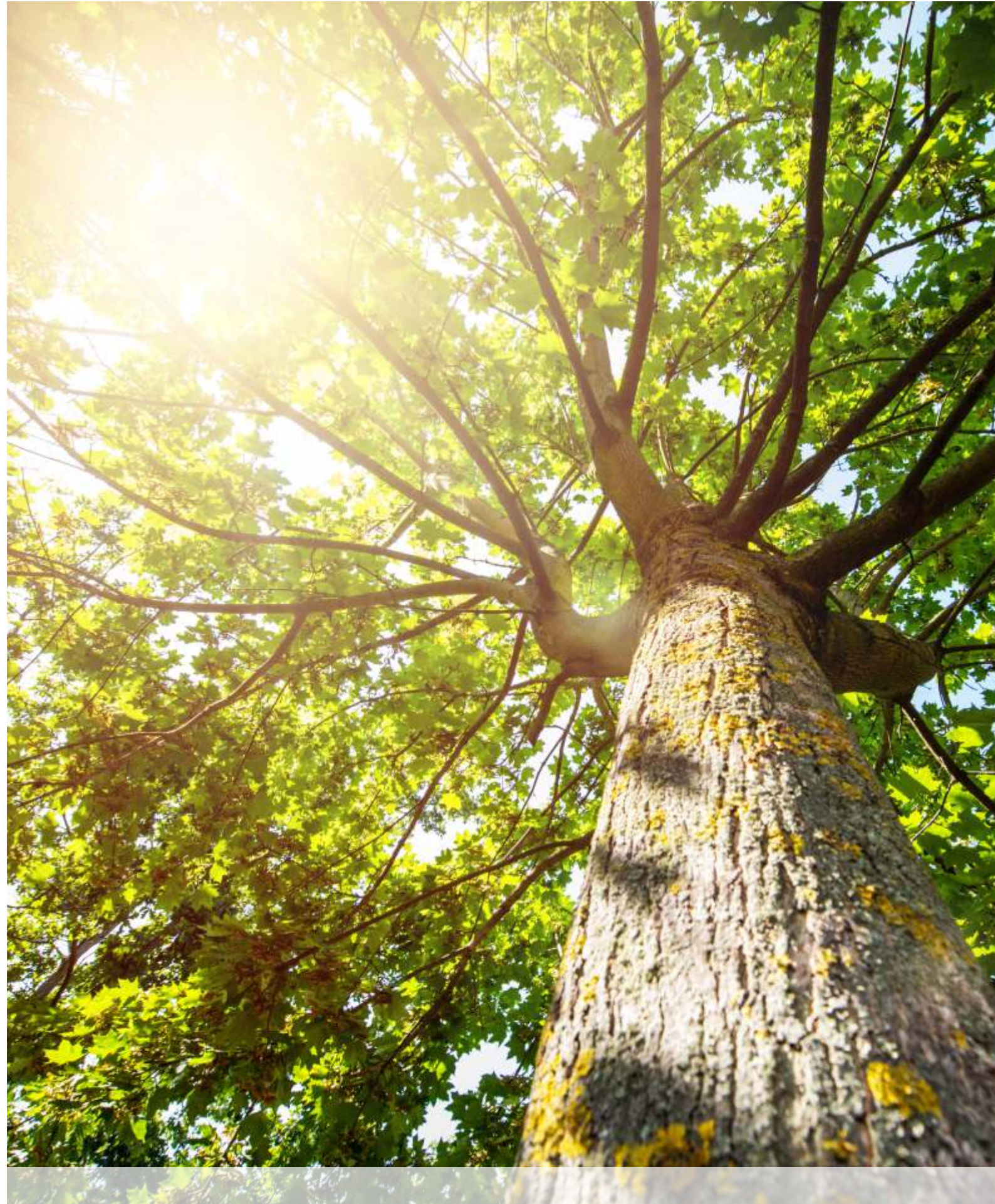
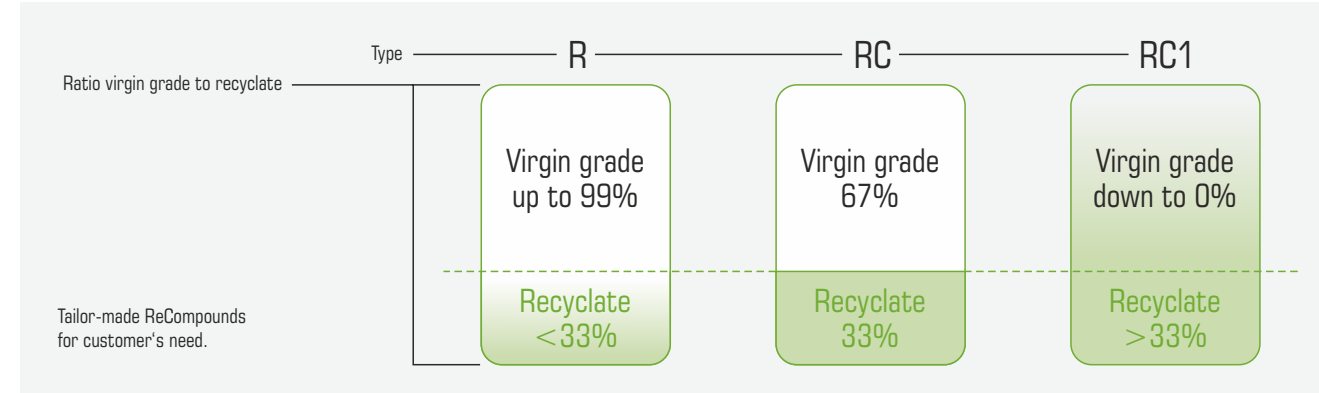
Basic polymer: **A** Polyamide 6.6 | **B** Polyamide 6 | **AB** Polyamide 6.6+6 | **AHT** Polyamide 4.6 | **AHT1** PPA | **AHT2** PPA | **AHS** Polyamide 6.6+PPA | **BS** Polyamide 6+ABS | **BP** Polyamide 6+PP | **AP** Polyamide 6.6+PP

Reinforcement: non-reinforced grades | reinforced grades

Stabilization: acc. request

Additives: acc. request

ReCompounds differentiation.





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