



MOCOM

♻️ Alfater XL® ECO Sustainable TPV

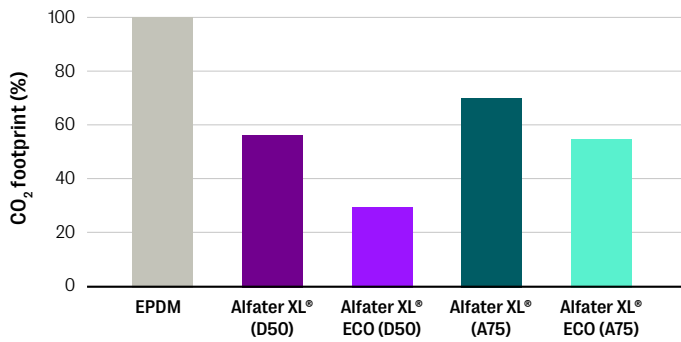
Alfater XL® ECO is a thermoplastic vulcanizate elastomer (TPV) based on “ECO” feedstock (e.g. recycled PP). It combines sustainability (e.g. reduced Global Warming Potential GWP) with the typical properties of elastomers and the advantages of thermoplastic processability. This provides the customer with an ecological and economically viable TPV solution for many technical applications that require flexibility.

Alfater XL® ECO complements the ECO product portfolio of MOCOM and is a response to the continuously increasing sustainability requirements in the plastics industry. The formulation and production follows well-established technologies under highest quality standards. Alfater XL® ECO therefore provides well-known properties of conventional TPV (PP+EPDM). Processing is possible on all standard machines using the common TPV technologies (e.g. injection molding, extrusion, blow molding).

Alfater XL® ECO: the advantages at a glance

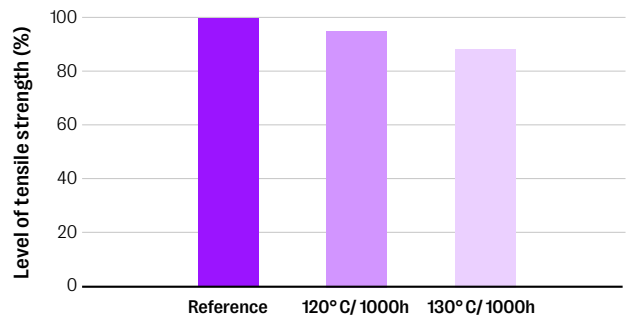
- **Improved ecological footprint** (reduced GWP)
- **Use of different ECO feedstocks** (PIR: post-industrial recyclates and PCR: post-consumer recyclates)
- **Reduced use of fossil raw materials and recycling of plastic waste** saves limited resources
- **Fulfilling regulatory requirements** (e.g. REACH, RoHS)
- **Broad hardness range possible** (Shore A50 bis D50)
- **Low density** ($< 1 \text{ g/cm}^3$) offers lightweight potentials
- **Properties comparable to conventional TPV**
- **Excellent recyclability** (in-process and end-of-life recycling)
- **Thermoplastic processing** like conventional TPV
- **Excellent bonding** to polyolefins, TPO and TPV allows economical 2K solutions

CO₂ reduction potential* by using Alfater XL® ECO



* Calculation of CO₂ footprint using Sphera (ISO 14040 & 14044);
Alfater XL® and Alfater XL® ECO are produced with renewable energy

Heat aging* of Alfater XL® ECO (Shore D40)



* Heat aging (ISO 188) and tensile test (ISO 37, 500 mm/min, type 2)

Alfater XL® ECO: typical applications

- Bellows and protective tubes
- Sealings and gaskets
- Spoiler and shutters
- Impact and shock protection
- Dust protection
- Bumpers, stoppers, grommets and plugs
- Covers and caps
- Sheaths and jackets
- Profiles and trims
- Soft-touch parts
- Soft-touch handles
- Haptic parts
- Damping and vibration protection
- Casters and guide rollers



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