

CONNECTING THE DOTS BETWEEN DESIGN & EoL STAGE

Eco-design and post-consumer recycled content for thermoplastics in new cars

- Recycled content & mandatory targets
 - Recycled content is introduced
 - Exterior car parts
 - Underbody components
 - Motor parts such as air vents
 - A 25% mandatory target is feasible by 2025
 - Focus on PCR vs PIR
 - Car shredder residue is a valuable source
 - Mechanical recycling should be prime target
 - Incite investments to recycle ELV shredder residue
 - Technology already in place
 - Further technological advancements to recycle PCR streams for lower volume plastics
 - Investments need a guaranteed return
 - What about interior car parts?

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Eco-design and post-consumer recycled content for thermoplastics in new cars

- New design approach
 - Avoid plastics which aren't circular : additives or composites
 - Use PCR material where possible
 - Cooperate with supplier base on recycled materials
- Use of recyclable materials
 - Focus from automobile industry on emission targets
 - Don't shift responsibility for recycling targets to recyclers / no time lag reasoning
 - LCA : which analysis to make?
- Eco design to allow easier dismantling?
 - Re-use will be focused on electric cars
 - Allow parts to be dismantled and recycled / economical question
 - OEMs to take EoL stage into account while designing a car
 - OEMs to share dismantling practices