

Recycled ABS

1. Separation

ABS is recycled on a large industrial scale. It is separated from other forms of plastics or materials (recycling code 7) via froth flotation. A water-oil mixture is used along with the contaminated ABS in order to separate ABS. Once ABS plastic has been separated as much as possible, the next step in the recycling process is grinding.

2. Grinding

The various waste items made of ABS are then ground to a small granular form.

3. Melting and reforming

The granules are fed into an extruder and depending upon what it is to be produced ABS plastic is recycled in the form of plastic sheets, filaments or directly fed into a suitable injection molding unit to create the finished products.

Once the recycled ABS has been fully reformed, it is ready to be re-used. ABS can be recycled and reused 2 or more times.





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ABS plastic (Acrylonitrile-butadiene-styrene) is 100% recyclable. ABS is assigned the number 7 recycling code. It is categorised with "Other Plastics" from the number 7 group. The process of recycling is simple and similar to the recycling method of PET.



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