



## **MAPAL PLASTICS LTD.**

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## **MAPAL and ENVIRONMENT**

### **General background**

Polypropylene (PP) is made of carbon and hydrogen. The source of the raw material is the light fraction of gas (Naphta) that is emitted from the petroleum refining process.

This gas is transformed to ethylene and propylene used for producing polymers such as Polypropylene (PP) and Polyethylene (PE) during polymerization process.

MAPAL is a PP sheets manufacturer, and the production processes transform the PP resins into final products in a clean and safe way. No emission and drainage are created during the production process. The sheets are produced in an extrusion process that requires a relatively small amount of energy.

When PP reacts with air (like at very high Temp. or during a fire event) the combustion products are: Water, CO and CO<sub>2</sub>, there is no emission of dangerous ingredients such as Hydrochloride-acid, Chlorine Styrene etc like in case of other polymers such as PVC.

Since PP is one of the most used plastic, it is easy to find an application for recycled material.

**PP waste is 100% recyclable** and also post-consumer, and post-industrial PP can be easily collected and reused.

### **MAPAL Policy**

MAPAL recycles all the wasted material and plastic resulted from its production processes and reused them.

Mapal buys from other PP manufacturers PP post-consumer and post-industrial which is collected, recycled and reused in Mapal products.

MAPAL fulfills all the local Israeli environmental regulations and is periodically inspected by local authorities.

### **MAPAL Declaration**

We hereby declare that MAPLON sheets are 100% recyclable and are manufactured on a polypropylene basis which contains approximately 25 to 35 percent of recycled polypropylene from internal and external sources.

Maor Segal  
R&D and Quality Manager