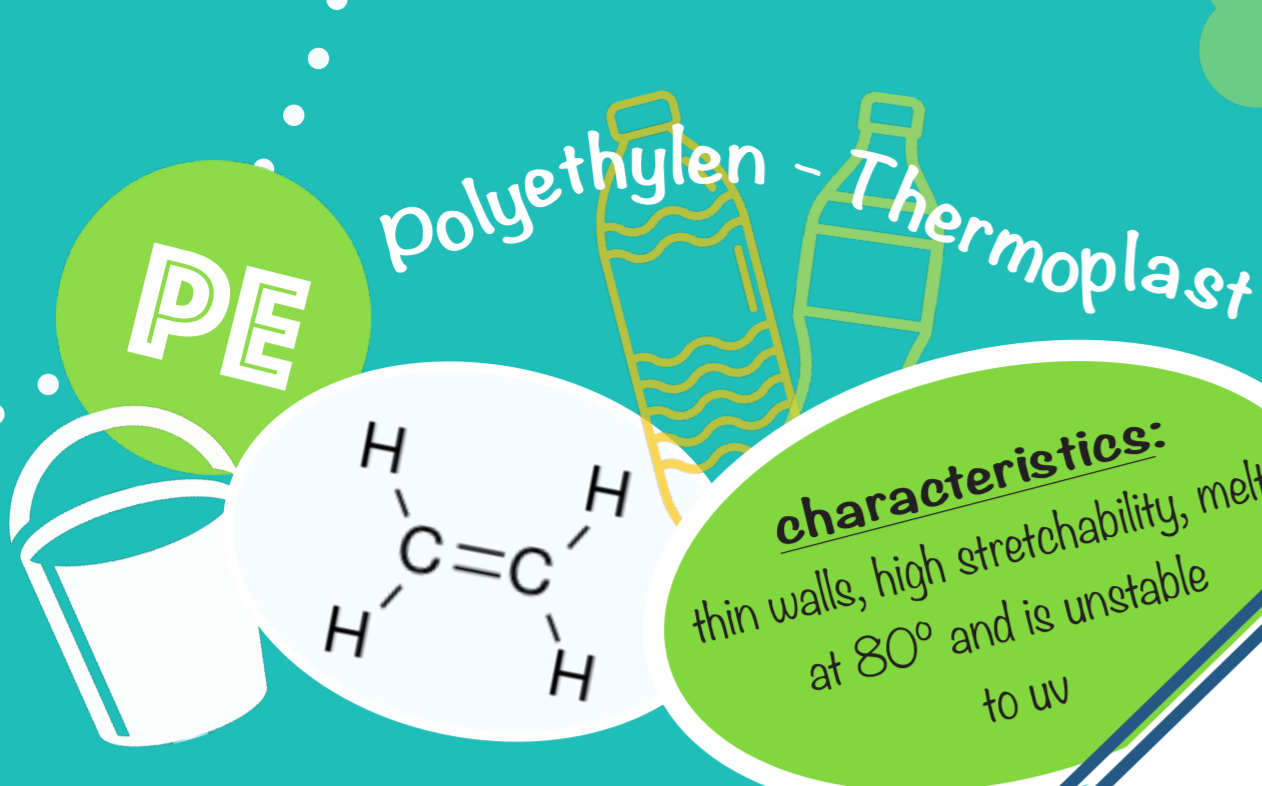


**PE** polyethylen - Thermoplast

$$\begin{array}{c} \text{H} & & \text{H} \\ | & & | \\ \text{H}-\text{C}=\text{C}-\text{H} \\ | & & | \\ \text{H} & & \text{H} \end{array}$$

**characteristics:**  
thin walls, high stretchability, melts at 80° and is unstable to uv

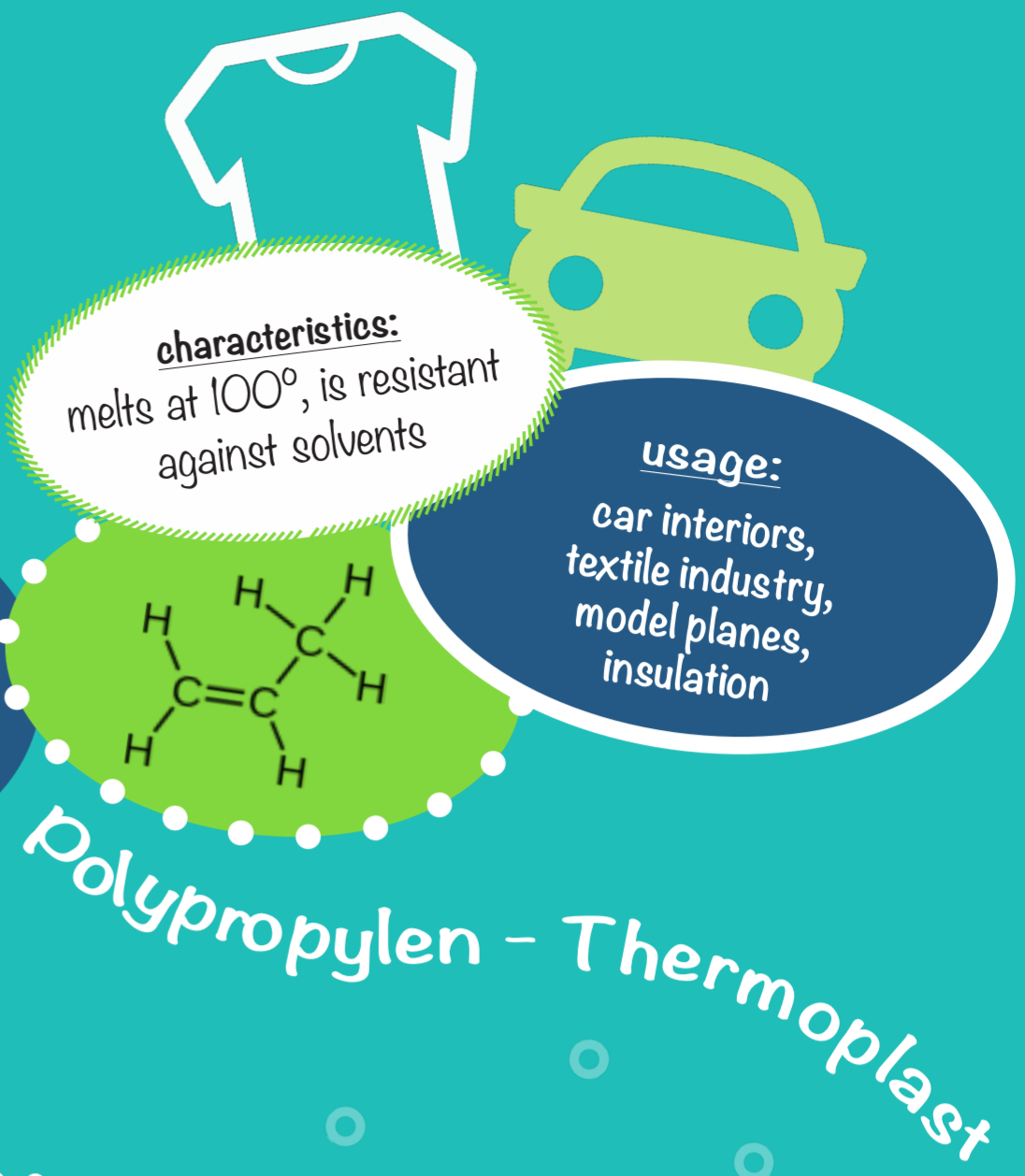


**PP** Polypropylen - Thermoplast

$$\begin{array}{c} \text{H} & & \text{H} & & \text{H} \\ | & & | & & | \\ \text{H}-\text{C}=\text{C}-\text{C}-\text{H} \\ | & & | & & | \\ \text{H} & & \text{H} & & \text{H} \end{array}$$

**characteristics:**  
melts at 100°, is resistant against solvents

**usage:**  
car interiors, textile industry, model planes, insulation



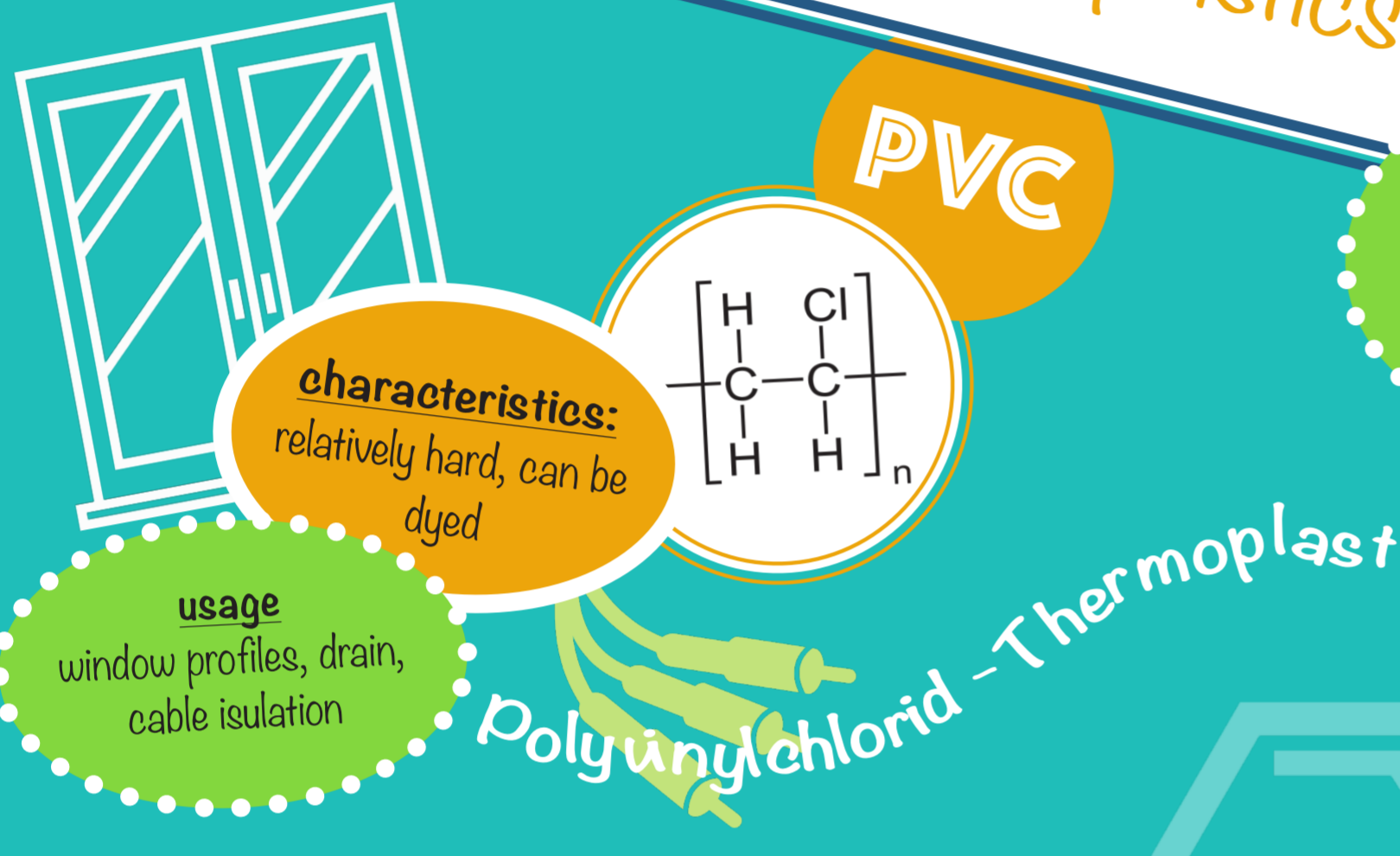
# 4 IMPORTANT types of plastics

**PVC** Polyvinylchlorid - Thermoplast

$$\left[ \begin{array}{cc} \text{H} & \text{Cl} \\ | & | \\ -\text{C}- & -\text{C}- \\ | & | \\ \text{H} & \text{H} \end{array} \right]_n$$

**characteristics:**  
relatively hard, can be dyed

**usage:**  
window profiles, drain, cable isulation



**PET** Polyethylenterephthalat

$$\left[ -\text{O}-\text{C}(=\text{O})-\text{C}_6\text{H}_4-\text{C}(=\text{O})-\text{O}-\text{CH}_2-\text{CH}_2-\right]_n$$

**characteristics:**  
high resistance to breakage, high dimensional stability

**usage:**  
beverage bottles



**4 TIPS TO AVOID plastic**



If you go shopping, use your own fabricbag.

Because our toothpaste is only offered in plastic tubes, you can also produce toothpaste by your own and fill it in a glass jar. For this there are many DIY videos on Youtube.

In addition to the plastic toothbrushes there are also many made of wooden and vegetable bristles. These are even biodegradable.

