

Technology 3 ESO - CHAPTER 3

PLASTICS

(Page 26 extra activity)

Watch this video: <https://www.youtube.com/watch?v=OyOJajPJptA>

- 1) What is the raw material used in the process of making polyethylene?
- 2) What means polyethylene?
- 3) Fill in the blanks (polymerization of polyethylene):
 - In the initiation, when heated, the _____ breaks apart in two _____. These radicals start the _____ with ethylene.
One free radical opens the _____ of an ethelene molecule and forms a new _____.
 - The second _____ is called the propagation .
 - In the termination, the polymerization reaction stops once the last _____ on one polymer chain meets another _____ with a free radical.