

## **1 Experimental activity**

### **1.1 Injection molding: sample evaluation**

Different specimens of unknown polymeric materials have been analysed and identified. They have been produced by injection molding according to specific standards (ISO 527 IBA and ASTM D638).

- ISO 10.0 x 4.0 x 172 (mm);
- ASTM 12.7 x 3.2 x 165 (mm);

Size of all specimens and the mold cavity have been measured through a caliper in order to evaluate the shrinkage after the process. ASTM samples (with sprue and bar) have been weighted through a ... balance in order to compare the total weight and polymer density.

## **2 Results and discussion**

### **2.1 Injection molding: sample evaluation**