



Visualizzazione delle applicazioni...



Module: Materials selection criteria and methods

Surname and name: _____

Identification no.: _____

- read carefully the questions;
- write clearly;
- where possible, use schemes or drawings to illustrate the arguments;

1) SELECT, AMONG THE MATERIALS REPORTED IN THE TABLE, THE MOST SUITABLE ONE FOR A PLASTIC SLED, APPLYING THE ANALYSIS SELECTION METHOD.



3) HOW DOES TEMPERATURE INFLUENCE THE PROPERTIES OF A POLYMERIC MATERIAL? WHAT EFFECTS DOES IT HAVE ON THE MOLECULAR STRUCTURE?

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



MATERIAL AND MANUFACTURING FOR DESIGN

2) DESCRIBE ROTATIONAL MOLDING EXPLAINING ITS CHARACTERISTICS: ADVANTAGES, DISADVANTAGES, REQUIREMENTS... MAKE AN EXAMPLE OF A PRODUCT FOR WHICH YOU WOULD CHOOSE THIS TECHNOLOGY.

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3) HOW CAN YOU DETERMINE THE **SCRATCH RESISTANCE** OF A GIVEN MATERIAL? DESCRIBE THREE **TECHNIQUES** TO MEASURE IT. MAKE AN **EXAMPLE** OF A PRODUCT FOR WHICH THIS PROPERTY IS IMPORTANT.