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(57) Abstract :

We are using LDPE plastic for our project because it takes less time for melting in Figure 1 we have taken blast furnace and melted the plastic bags and in Figure 2 and Figure 3 the melted plastic bags made into round ball and placed in 150mmX150mm mold and compressed until itTMs is cooled and taken out in the form of tile in Fig 3 itTMs clear evidence that plastic marble is done by using plastic bags. Plastic collection: The plastic wastes for recycling were collected by using shop bags with LDPE label on them. Compression test: Compression test was conducted as per the ASTM D 695-2015 Standard. For this, the Standard specimen size is 150 x 150 x 15mm. The specimen is placed between compressive plates parallel to the surface. The specimen is then compressed at a uniform rate. The maximum load is recorded along with stress-strain data. An extensometer attached to the front of the fixture is used to determine modulus. Compressive strength and modulus are two useful calculations in this test. They are calculated using the following equations.

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