

Peer Review

Review of: "The Effects of Polypropylene Wastes on the Compressive Strength of Grade 25 Concrete"

Ehsan Teymouri¹

1. Independent researcher

1. In Figure 2, the particle size of sand and PP is about 10 mm; however, based on Figure 1, the particle sizes look much smaller.
2. Based on this statement, "The results revealed that the fine aggregate and PP samples had specific gravity of 2.65 and 0.92 respectively. This shows that the PP samples were lighter than the fine aggregate," it would be useful if the results of the specific gravity of different samples were provided.
3. The explanation of the water absorption test is not adequate.
4. The compressive strength of samples with 20% PP at ages of 21 and 28 days is lower than that at 14 days. A proper explanation should be provided.
5. The materials and methodology, as well as the results and discussion, need to be developed properly and provide more detailed information.

Declarations

Potential competing interests: No potential competing interests to declare.