



Department of Polymer & Process Engineering
University of Engineering & Technology Lahore-Pakistan

Ref No. UNIV/PPE/1102

Dated: 21-09-2022

Client Identity: Musa Sheikh, Sole Proprietor, mCube Global, Plastic Factory, Street 8, Muhammad Pura Jattan Sehar Road, Baghbanpura, Lahore.

Client Reference: Nil, **Dated:** 15-09-2022

Subject as per Client Mention: Nil

1. Density

Standard Used: ASTM D792

Sr.#	Sample ID as per Client Mention	Minimum Value (g/cm ³)	Maximum Value (g/cm ³)	Average Value (g/cm ³)
1	Sample 2-PVC Compound GP-2	1.581	1.583	1.582

2. Shore A Hardness

Standard Used: ASTM D-2240

Sr.#	Sample ID as per Client Mention	Minimum Value	Maximum Value	Average Value
1	Sample 2-PVC Compound GP-2	91	93	92

3. Tensile Strength

Standard Used: ASTM D-638

Sr.#	Sample ID as per Client Mention	Minimum Value (MPa)	Maximum Value (MPa)	Average Value (MPa)
1	Sample 2-PVC Compound GP-2	7.89	8.33	8.11

4. Elongation at Break

Standard Used: ASTM D-638

Sr.#	Sample ID as per Client Mention	Minimum Value (%)	Maximum Value (%)	Average Value (%)
1	Sample 2-PVC Compound GP-2	308	313	311

Dr. Umer Mehmood
Assistant Professor

Assistant Professor
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Prof. Dr. Asif Ali Qaiser
Chairman



NOTE:

1. Results have been quoted based on the received sample
2. Average value of test no 1 to 4 is based on three different test pieces

