



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 1-PVC Compound GT4	1.234	1.237	1.235

2. Shore A Hardness

Standard Used: ASTM D-2240

Sr.#	Sample ID as per Client Mention	Minimum Value	Maximum Value	Average Value
1	Sample 1-PVC Compound GT4	86	88	87

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 1-PVC Compound GT4	17.91	19.30	18.41

4. Elongation at Break

Standard Used: ASTM D-638

Sr.#	Sample ID as per Client Mention	Minimum Value (%)	Maximum Value (%)	Average Value (%)
1	Sample 1-PVC Compound GT4	507	533	520

Dr. Umer Mehmood
Assistant Professor

Assistant Professor
Department of Polymer & Process Engineering
University of Engineering
and Technology, Lahore.

Prof. Dr. Asif Ali Qaiser
Chairman

CHAIRMAN
Polymer & Process
Engg. Deptt.
University of Engineering
and Technology
Lahore

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

