



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

Ref No. Univ/PPE/1116
Dated: 03-11-2021

Subject as per Client Mention: Testing of PVC Raw Material.

1. Density Test

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	PVC Raw Material	1.480	1.495	1.488

2. Shore A Hardness

Standard Used: ASTM D-2240

Sr.#	Sample ID as per Client Mention	Minimum Value	Maximum Value	Average Value
1	PVC Raw Material	75	77	76

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	PVC Raw Material	3.69	4.06	3.88

4. Elongation at Break

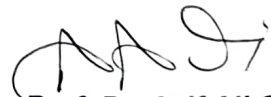
Standard Used: ASTM D-638

Sr.#	Sample ID as per Client Mention	Minimum Value (%)	Maximum Value (%)	Average Value (%)
1	PVC Raw Material	240	305	281



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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.
3. Sample was processed at 145°C temperature.
4. Dumbbelled specimen for test # 3 & 4 were prepared from vertical injection molding machine..

