

NATIONAL LABORATORY

For Soil and Building Materials

Dubai & Abu Dhabi Branch



المختبر الوطني

لفحص التربيه ومواد البناء

دبي وفرع أبوظبي

REPORT ON TENSILE STRENGTH OF UPVC PIPE

| | | | |
|-----------------------|---|------------------------|--------------|
| Contractor | TAMEER EXPERT CONTRACTING LLC | NL Report No | 2219099 |
| Client | DM | Report Date | 14/09/2022 |
| Consultant | Signature Engineering Consultant | NL Project no. | LAB/0725/22 |
| Project Name | G+1+R Villa | NL TR No | 060922008 |
| Project Location | Plot no: 356-0264, Umm Suqeim, Dubai, U.A.E | Date Received | 06/09/2022 |
| Sample Description | 2" Diameter UPVC Pipe | Lot No. | Not Provided |
| Project No. | M2390 | Test Relative Humidity | 50% |
| No. of Samples Tested | 5 | Sample No. | 0609220091/2 |
| Source/Supplier | ADS Marley UAE | Date of Test Start | 12/09/2022 |
| Sample Brought By | Mincom Trading LLC | Date of Test Completed | 13/09/2022 |
| Test Room Temperatue | 23°C | Tested By | SC |
| Test Method | ISO 6259-2:2020 | Checked By | AN |

Test Data:

Test Speed :

5mm/Min

Type of Test Piece :

Dumbell

| Specimen No. | Width (mm) | Thickness (mm) | Maximum Load At Failure (N) | Tensile Strength (N/mm ²) | Elongation (%) |
|--------------|------------|----------------|-----------------------------|---------------------------------------|----------------|
| 1 | 6.00 | 2.16 | 409.73 | 31.61 | 21 |
| 2 | 6.00 | 2.15 | 423.05 | 32.79 | 22 |
| 3 | 6.00 | 2.14 | 448.36 | 34.91 | 24 |
| 4 | 6.00 | 2.14 | 442.39 | 34.33 | 23 |
| 5 | 6.00 | 2.15 | 434.55 | 33.70 | 22 |
| Average | | | 431.62 | 33.47 | 22 |

Remarks: None

Method Variation : None



Mohammed Rameez
Geo. / Civil Eng. / AQACQC

Authorized Signatory

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Main Office Dubai: P.O. Box: 95399 - Dubai-U.A.E., Tel: 04-2580033, Fax: 04 - 2580044

Abu Dhabi Branch: P.O. Box: 95399 - Dubai-U.A.E., Tel: 02-5828331, Fax: 02-5828321

E-mail: natlabdx@eim.ae, info@nldubai.ae, www.nldubai.ae

Other Offices : Sharjah and Ras Al Khaimah

مكتب دبي: ص.ب. ٩٥٣٩٩ دبي-ا.ع.م. ، هاتف : ٠٤-٢٥٨٠٠٣٣ ، فاكس: ٠٤-٢٥٨٠٠٤٤

فرع أبوظبي: ص.ب. ٩٥٣٩٩ دبي-ا.ع.م. ، هاتف : ٠٢-٥٨٢٨٣٣١ ، فاكس : ٠٢-٥٨٢٨٣٢١

البريد الإلكتروني : natlabdx@eim.ae ، info@nldubai.ae ، www.nldubai.ae

مكاتب اخرى : الشارقة و رأس الخيمة

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دبي وفرع أبوظبي

REPORT ON TENSILE STRENGTH OF UPVC PIPE

| | | | |
|-----------------------|---|------------------------|--------------|
| Contractor | TAMEER EXPERT CONTRACTING LLC | NL Report No | 2219102 |
| Client | DM | Report Date | 14/09/2022 |
| Consultant | Signature Engineering Consultant | NL Project no. | LAB/0725/22 |
| Project Name | G+1+R Villa | NL TR No | 060922008 |
| Project Location | Plot no: 356-0264, Umm Suqeim, Dubai, U.A.E | Date Received | 06/09/2022 |
| Sample Description | 4" Diameter UPVC Pipe | Lot No. | Not Provided |
| Project No. | M2390 | Test Relative Humidity | 50% |
| No. of Samples Tested | 5 | Sample No. | 0609220092/2 |
| Source/Supplier | ADS Marley UAE | Date of Test Start | 12/09/2022 |
| Sample Brought By | Mincom Trading LC | Date of Test Completed | 13/09/2022 |
| Test Room Temperatue | 23°C | Tested By | SC |
| Test Method | ISO 6259-2:2020 | Checked By | AN |

Test Data:

Test Speed :

5mm/Min

Type of Test Piece :

Dumbbell

| Specimen No. | Width (mm) | Thickness (mm) | Maximum Load At Failure (N) | Tensile Strength (N/mm ²) | Elongation (%) |
|--------------|------------|----------------|-----------------------------|---------------------------------------|----------------|
| 1 | 6.01 | 3.45 | 562.82 | 27.14 | 26 |
| 2 | 6.02 | 3.46 | 587.19 | 28.19 | 27 |
| 3 | 6.00 | 3.45 | 614.76 | 29.69 | 28 |
| 4 | 6.02 | 3.44 | 626.21 | 30.23 | 28 |
| 5 | 6.02 | 3.46 | 588.47 | 28.25 | 27 |
| Average | | | 595.89 | 28.70 | 27 |

Remarks: None

Method Variation : None



Mohammed Jameez
Authorized Signatory / AQAQC

Authorized Signatory

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البريد الإلكتروني: natlabdx@eim.ae, info@nldubai.ae, www.nldubai.ae

مكاتب أخرى: الشارقة و رأس الخيمة