# PVC ROOF MEMBRANE

## TECHNICAL DATA SHEET

| DESCRIPTION | Test Method | Requirement | 50 mil | 60 mil |
|---|---|---|---|---|
| Overall thickness of PVC sheet | ASTM D 751 | >50 mil (± 10%)<br>>60 mil (±10%) | 50 | 60 |
| Tensile strength, lbf/in. | ASTM D 751 | 200X200 | 279X321 | 318X325 |
| Elongation at break, % | ASTM D 751 | >15X15 | 46X42 | 30X28 |
| Retention of properties after heat aging, ASTM D 3045, 80°C, 56 days | | | | |
| Tensile Strength, 90 % of original | ASTM D 751 | Pass | Pass | Pass |
| Elongation, 90 % of original | ASTM D 751 | Pass | Pass | Pass |
| Tearing strength, lbf | ASTMD 751, B-Tongue Tear Method, 8"x8" | 45 | 58X69 | 62X78 |
| Low Temperature Impact | ASTM D1790, -30°C | Pass | Pass | Pass |
| Low Temperature Flexibility | ASTM 2136, -40°C | Pass | Pass | Pass |
| Accelerated weathering test, Practice G 154, 5000 h | | | | |
| Cracking | 7x magnification | None | None | None |
| Crazing | 7x magnification | None | None | None |
| Linear dimensional change | D 1204, 80°C for 6 h | ≤0.5 | ≤0.3 | ≤0.2 |
| Change in weight after immersion in water | D 570, 80°c for 168 ± 1 h | < 3% | 1.1% | 1.4% |
| Static Puncture Resistance | ASTM D 5602, 15kg @ 23°C | Pass | Pass | Pass |
| Dynamic Puncture Resistance | ASTM D 5635, 20J @ 23°C | Pass | Pass | Pass |

*These results do not constitute any warranty of the material. All tests are conducted with calibrated equipment and are within specification.*

## ROOFING MEMBRANE SPECIFICATIONS

**Thickness Options:** Available in 50 mil and 60 mil reinforced sheets.

**Constructions:** Available in PVC (Polyvinyl Chloride) and TPO (Thermoplastic Polyolefin) formulations.

**Core Composition:** Formulated with high-grade resin and internal scrim reinforcement while avoiding standard fillers to optimize performance.

**Key Properties:** High tensile strength, high bond strength, along with enhanced dimensional and color stability.