

PRODUCT DATA SHEET

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| PRODUCER | PLASTIKA KRITIS SA |
| PRODUCT | KRITIFLEX 6070 |

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| DESCRIPTION | High Density Polyethylene (HDPE) geomembrane |
| NOMINAL THICKNESS (mm) | 1.5 |
| THICKNESS TOLERANCE | Minimum : - 10 % Maximum : + 10 % |

| MECHANICAL PROPERTIES | TEST METHOD | TYPICAL VALUES |
|---|-----------------|----------------|
| CARBON BLACK CONTENT (%) | OEE 8.2.4-02-01 | 2-3 |
| CARBON BLACK DISPERSION (note) | NFT 51142 | ≤ 3 |
| DENSITY OF MEMBRANE (g/cm³) | ASTM D792 | 0.946 |
| MELT FLOW INDEX (g/10min.190°C) | ASTM D1238 | 0.15 |
| TENSILE STRENGTH AT YIELD (N/mm²) | ASTM D638IV | |
| -MACHINE DIRECTION | | 17.0 |
| -TRANSVERSAL DIRECTION | | 17.0 |
| TENSILE STRENGTH AT BREAK (N/mm²) | ASTM D638IV | |
| -MACHINE DIRECTION | | 32.0 |
| -TRANSVERSAL DIRECTION | | 32.0 |
| ELONGATION AT YIELD (%) | ASTM D638IV | |
| -MACHINE DIRECTION | Gauge Length | 12.0 |
| -TRANSVERSAL DIRECTION | 33mm | 12.0 |
| ELONGATION AT BREAK(%) | ASTM D638IV | |
| -MACHINE DIRECTION | Gauge Length | 850 |
| -TRANSVERSAL DIRECTION | 50mm | 850 |
| PUNCTURE RESISTANCE (N) | ASTM D4833 | 550 |
| TEAR RESISTANCE (N) | ASTM D1004C | |
| -MACHINE DIRECTION | | 220 |
| -TRANSVERSAL DIRECTION | | 220 |
| OXIDATIVE INDUCTION TIME (min) | ASTM D3895 | >100 |



The typical values refer to results obtained in our laboratory during Quality Control of various production batches

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