

DURAFORCE® GEOTEXTILES

NEEDLE PUNCHED NON-WOVEN GEOTEXTILES - AS SERIES

CHARACTERISTIC VALUES DATA

| PROPERTY | | TEST METHOD | UNIT | AS240 | AS280 | AS410 | AS440 | AS640 |
|-------------------------------|---|--------------|---------------------|---------|---------|---------|---------|---------|
| STRENGTH PROPERTIES | | | | | | | | |
| Grab Tensile Strength | Q | AS2001.2.3.2 | N | ≥500 | ≥700 | ≥900 | ≥1200 | ≥1600 |
| Trapezoidal Tear Strength | Q | AS3706.3 | N | ≥180 | ≥250 | ≥350 | ≥450 | ≥650 |
| Elongation | T | AS3706.4 | % | ≥30 | ≥30 | ≥30 | ≥30 | ≥30 |
| G Rating | Q | TNZ F/7 | | ≥900 | ≥1350 | ≥2000 | ≥3000 | ≥4500 |
| NZTA F/7 Strength Class | | | | A | B | C | D | E |
| HYDRAULIC PROPERTIES | | | | | | | | |
| Equivalent Opening Size, E05 | T | AS3706.7 | µm | ≤180 | ≤180 | ≤180 | ≤180 | ≤180 |
| Permittivity (Ψ) | T | AS3706.9 | s ⁻¹ | ≥0.5 | ≥0.5 | ≥0.5 | ≥0.5 | ≥0.5 |
| Flow Rate (Q ₁₀₀) | T | AS3706.9 | l/m ² /s | ≥50 | ≥50 | ≥50 | ≥50 | ≥50 |
| NZTA F/7 Filtration Class | | | | 1,2,3,4 | 1,2,3,4 | 1,2,3,4 | 1,2,3,4 | 1,2,3,4 |

NOTES:

1. Cirtex Industries Ltd reserves the right to alter product specifications at any time without prior notice. It is the responsibility of all users to satisfy themselves that the above data is current.
2. T = Typical Values, Q = Characteristic values being the mean - (0.83 x SD) as required by NZTA F/7 Specification
3. DuraForce AS Series Geotextiles are manufactured from either PET or PP fibres
4. Contact Cirtex on 0800 247 839 if you require typical values data or a specific polymer for your project

DISCLAIMER

The information provided in this publication is correct to the best knowledge of the company and is given out in good faith. The information presented herein is intended only as a general guide to the use of such products and no liability is accepted by Cirtex Industries Ltd for any loss or damage however arising, which results either directly or indirectly from the use of such information. Cirtex Industries Ltd has a policy of continuous development so information and product specifications may change without notice.

| TECHNICAL FABRICS AS Series | |
|--------------------------------|-------------|
| TECHNICAL DATA SHEET | G 030 010 |
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ISO 9001

BUREAU VERITAS
Certification



This product has been manufactured under the controls established by Bureau Veritas certification approved management system that conforms with ISO 9001:2015. Bureau Veritas Certification certificate number NZ001832-2

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