## Scheda tecnica

## uvex 5/6 // 9877



## Performance data

| Material properties | unit | value laminate | class | value SMS | class |
| :---: | :---: | :---: | :---: | :---: | :---: |
| EN 14325 Fabric physical test results |  |  |  |  |  |
| EN 530 Abrasion resistance | cycles | 100 | 2 of 6 | 10 | 1 of 6 |
| EN ISO 7854 Flex cracking resistance | cycles | 40.000 | 5 of 6 | 15.000 | 4 of 6 |
| EN ISO 9073-4 Tear resistance (MD) | N | 40,7 | 1 of 6 | 22,6 | 2 of 6 |
| EN ISO 9073-4 Tear resistance (CD) | N | 18,6 |  | 28,8 |  |
| EN ISO 13934-1 Tensile strength (MD) | N | 108,1 | 1 of 6 | >100 | 1 of 6 |
| EN ISO 13934-1 Tensile strength (CD) | N | 48,3 |  | >55 |  |
| EN 863 Puncture resistance | N | 8,2 | 1 of 6 | 9,87 | 1 of 6 |
| EN ISO 13938-1 Burst resistance | kPa | 184,1 | 3 of 6 | passed |  |
| EN 13274-4 Resistance to ignition |  | passed |  | passed |  |
| EN 1149-1 Anti-static | $\Omega$ | passed |  | passed |  |
| BS EN 20811 Hydrostatic head (water pressure test) | cm | 232 |  |  |  |
| EN 31092/ISO 11092 Thermal resistance $\mathrm{R}_{\mathrm{ct}}$ | $\mathrm{m}^{2 *} \mathrm{~K} / \mathrm{W}$ | $16,3^{*} 10^{-3}$ |  |  |  |
| EN 31092/ISO 11092 Water Vapour resistance Ret | $\mathrm{m}^{2 \times 2} \mathrm{~Pa} / \mathrm{W}$ | 13,3 |  |  |  |
| EN ISO 9237 Air permeability | $1 /\left(m^{2 *} \mathrm{~s}\right)$ |  |  | 160 |  |
| EN 14325/EN 368 Repellence of liquids |  |  |  |  |  |
| Sulphuric acid (30\%) | \% | 96,70 | 3 of 3 | 99,10 | 3 of 3 |
| Sodium hydroxide (10\%) | \% | 96,70 | 3 of 3 | 97,50 | 3 of 3 |
| n-heptane (undiluted) | \% | 93,80 | 2 of 3 | 0 | - |
| Isopropanol | \% | 95,50 | 3 of 3 | 23,10 | - |
| EN 14325/EN 368 Resistance to penetration by liquids |  |  |  |  |  |
| Sulphuric acid (30\%) | \% | 0 | 3 of 3 | 0 | 3 of 3 |
| Sodium hydroxide (10\%) | \% | 0 | 3 of 3 | 0 | 3 of 3 |
| n-heptane (undiluted) | \% | 0 | 3 of 3 | 26,60 | 1 of 3 |
| Isopropanol | \% | 0 | 3 of 3 | 19,50 | 1 of 3 |
| EN ISO 13982-1 Aloxite particle penetration test (fabri | n effici | ncy) |  |  |  |
| Particle size 1,0-1,5 $\mu \mathrm{m}$ | \% | >98 |  | >98 |  |
| Particle size 1,5-2,0 $\mu \mathrm{m}$ | \% | >98 |  | >98 |  |
| Particle size 2,0-2,5 mm | \% | >99 |  | >99 |  |
| Particle size 2,5-3,0 $\mu \mathrm{m}$ | \% | >99 |  | >99 |  |
| Particle size 3,0-3,5 $\mu \mathrm{m}$ | \% | >99 |  | >99 |  |
| Particle size $>3,5 \mu \mathrm{~m}$ | \% | >99 |  | >99 |  |
| Whole suit test results |  |  |  |  |  |
| EN ISO 13935-2 Seam strength | N |  | 74 |  | 2 of 6 |
| EN ISO 13982-1-2 Particle penetration test Type 5 | TLL |  | <6\% |  | passed |
| EN 13034/EN 468 Reduced spraytest Type 6 |  |  | passed |  |  |
| EN 1073-2 Barrier to radioactive particulates |  |  | passed |  | 1 of 2 |

