



| Test protocol | |
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| Test code | PAN 1 JHR EN1822 |
| Type of test: | Flat sheet sample according to EN 1822, EN 779, EN 143 (integral values) |
| Customer | Handy trade s.r.o. |
| Test laboratory: | Technical University of Liberec, CXI, INTEC |
| Tester: | Jakub Hrůza |
| Date of test: | 30.03.20 |

| Test parameters | Value | Unit |
|--------------------------|------------|-----------------|
| filter area: | 100 | cm ² |
| face velocity: | 5.0 | cm/sec |
| dust/aerosol: | DEHS | - |
| discharge: | no | - |
| downstream test duration | 60 | sec |
| total volume flow: | 30.0 | l/min |
| particle size range | 0,12 – 3,5 | µm |
| number of test samples | 3,00 | - |
| temperature | 21 | °C |
| relative humidity | 54 | % |
| atmospheric pressure | 1010 | mbar |

| Test filter parameters | |
|--------------------------------------|-------------|
| Sample: | Description |
| type: rouška dvouvrstvá model 202001 | |
| type: rouška třívrstvá model 202002 | |
| type: rouška dvouvrstvá 202003 | |
| type: rouška dvouvrstvá 202004 | |
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| Tested properties | |
|-------------------|--------------------------------------|
| Δp0 (Pa) | Initial pressure drop |
| Δp1 (Pa) | Final pressure drop (after 1 minute) |

| | |
|------------------------|---|
| E mpps (%) | Efficiency of MPPS (Most Penetrated Particle Size). Usually particle size 0.1 - 0.3 μm . |
| E 0.12 (%) | Efficiency for particle size 0.12 μm (close to virus size) |
| E (0,6 μm) | Efficiency for particle size 0.6 μm (Efficiency according to EN 143 or EN 149) |

| Test results | | | | | |
|--------------------------------------|-------------------|-------------------|------------|------------|------------------------|
| Sample: | Δp_0 (Pa) | Δp_1 (Pa) | E mpps (%) | E 0.12 (%) | E (0,6 μm) |
| type: rouška dvouvrstvá model 202001 | 20,0 | 20,0 | 0,00 | 2,65 | 0,00 |
| type: rouška třívrstvá model 202002 | 172,0 | 179,0 | 27,05 | 44,51 | 52,18 |
| type: rouška dvouvrstvá 202003 | 23,0 | 23,0 | 0,00 | 0,12 | 0,00 |
| type: rouška dvouvrstvá 202004 | 168,0 | 174,0 | 31,12 | 47,44 | 52,12 |
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