
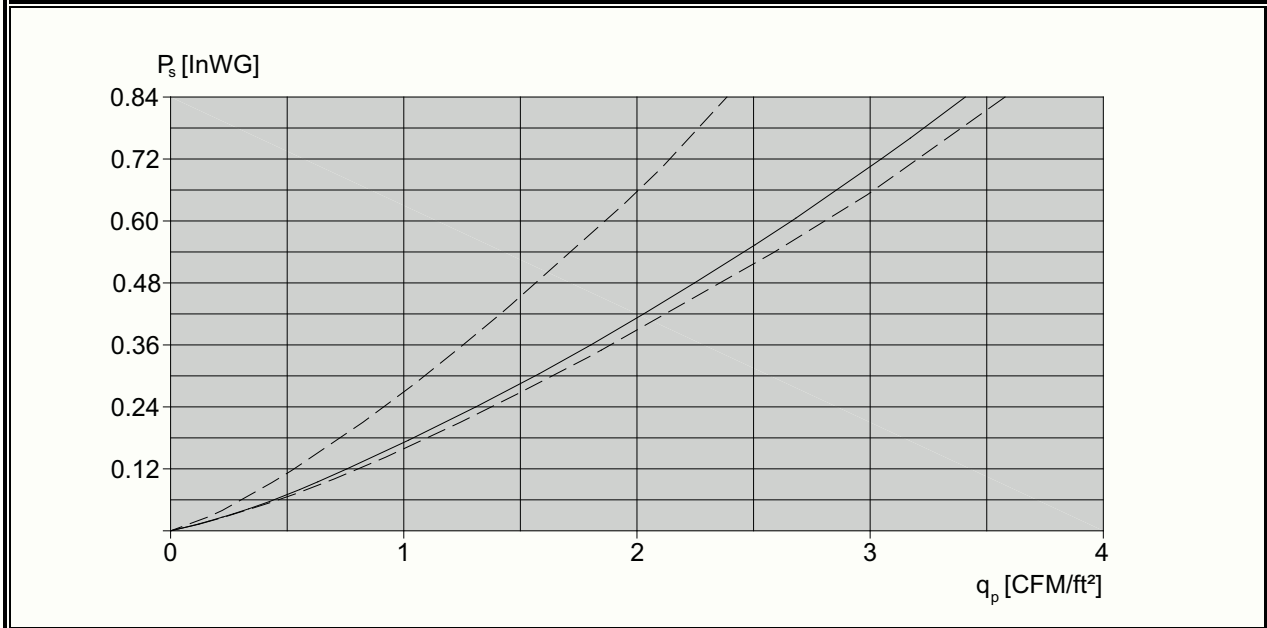


**MATERIAL DATASHEET 29**

|  |  |                      |   |
|--|--|----------------------|---|
| KE-no.:                                | 025430A  |                      |   |
| Construction:                          | Flame Retardant polyester fabric, Antibacterial treated (LDC FR) |                      |   |
| Final treatment:                       | Heat-set, shrinkage- and permeability-stabilized                 |                      |   |
| Weight                                 | oz/yd <sup>2</sup> :   | 7.7                  | (%) - 5/+ 5   |
| Thickness                              | mil:   | 18                   | (%) -10/+10   |
| Tensile strenght warp/weft             | lb <sub>f</sub> /in:   | 114 / 102            | (%) -10/+10   |
| Elongation (at first break)            | %:   | 60 / 30              |   |
| Resistance to tearing warp/weft        | lb <sub>f</sub> :  | 36 / 22              | (%) -10/+10   |
| Permeability                           | CFM/ft <sup>2</sup> :  | 2 at 0.5 inWG        | (%) -25/+10   |
| Retention grade                        | :  | F7 (*)               |   |
| Shrinkage in wash                      | %:   | < 0.5 (**)           |   |
| Fire resistance                        | :  | Flame retardant      |  <p>CLASSIFIED<br/>                 UNDERWRITERS LABORATORIES INC.<br/>                 CLASSIFIED<br/>                 AIR DISTRIBUTION DEVICE<br/>                 IN ACCORDANCE WITH<br/>                 FLAMMABILITY REQUIREMENTS<br/>                 OF NFPA 90A - 1993<br/>                 &lt;29WM&gt;<br/>                 FILE NO.: R16932</p> |
| Melting point                          | °F:  | 490                  |   |
| Spontaneous ignition temperature       | °F:  | 946                  |   |
| Water absorption (in standard climate) | %:   | 0.40                 |   |
| Electrostatic resistance               | Ohm/cm:  | 2 x 10 <sup>10</sup> |   |
| Operating temperature max./min. (peak) | °F:  | +140/-49 (peak: 176) |   |
| Resistance to aging                    | :  | Excellent            |   |
| Resistance to vibrations, motion       | :  | Excellent            |   |
| Resistance to solvents                 | :  | Excellent            |   |
| Resistance to acids                    | :  | Good                 |   |
| Resistance to bases                    | :  | Medium               |   |
| Resistance to oxidants, light, etc.    | :  | Excellent            |   |



Quality grades: Excellent • Good • Medium • Less good • Not recommended

Comments: (\*) Recomm. KE-measurement • (\*\*) Washed and dried acc. to KE Fibertec instruction

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