



White Felt Sheeting

General Properties

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|-----------------------------------|--------------|
| wool content fibre basis %minimum | 80% |
| balance fibres | 20% viscose |
| standard thickness range | 1.5mm – 25mm |
| standard width | 1.8mtr |
| texture | fine |
| colour | natural |

Physical Properties

| | |
|---|-------------|
| specific gravity (density) | 0.25sg |
| operating temperature range (F) | -80 to +200 |
| thermal conductivity & F Btu(hr)(ft ² /F) | 0.24 |
| air permeability 1/16" (ft ³ /min)(ft ² /0.5 in h ₂ o) | 75-150 |
| liquid absorption | |
| wt% (1.0sp gr. Liquid) | >350 |
| vol % | 88 |
| capillary (wicking height 575 SSU 70F) | 2.4 |
| coefficient of friction | 0.37 |
| vibration absorption | |
| static load bearing cap, per unit area | low |
| dynamic stress endurance | medium |
| coefficient of noise reduction (1" thick) | 0.64 |

Mechanical Properties

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|--|-------------|
| tensile strength, psi min | 75 |
| elongation, at 100 psi % | 37 |
| mullen burst strength (1/8" thick) psi | 50 |
| split resistance lb/2-" width min | 2 |
| hardness range – Shore A | 15-25 |
| compressibility (at 10% defl) psi | 3 |
| recovery (within 1 min after 10% defl) % | 99 |
| vibration disintegration | none |
| collapse when wet | none |
| abrasion resistance | fair |
| flexibility (fold endurance) | 180d flexes |

chemical & Environmental properties

| | |
|--------------------------------------|-----------|
| effect of sunlight & oxidation | none |
| solvent resistance, stability in oil | excellent |
| acid resistance | |
| dilute | fair |
| concentrated | fair |
| alkali resistance | |
| dilute | fair |
| concentrated | poor |