



CoruWeld PVC Protective Welding Curtain Sheets

| Property | Standard | Units | Standard | Description |
|-------------------------------|--------------------------|-----------------------|---------------|---|
| Light Transmittance | ASTM D 1003 | % | ≤13 | Visible light rate transmitted through the material. |
| Shore A Hardness | EN ISO 868 | Sh A | 80 | Index based on a flat indenter's penetration depth. Scale from 0 (Soft) to 100 (Hard) |
| Tearing Resistance | DIN 53515 | N/mm | 55 | Minimum tensile stress required to tear a pre-slit sample. |
| Tensile Strength At Break | ASTM D 638 EN ISO 527 | N/mm ² | 18 | Maximum tensile stress that a material can be subjected to before break. |
| Elongation At Break | | % | 300 | Elongation of the specimen at the break point under tensile stress. |
| Residual Elong. (After Break) | | % | 62 | Permanent elongation of the specimen measured after rupture in a tensile test |
| Thermal Conductivity | ASTM C 177 | W/m.k | 0.16 | Ability to conduct heat. The lower it is, the more insulation. |
| Cold Bend Brittle Temp. | ISO 8570 | °C | -25 | Temperature at which the specimen breaks under torsion stress. Brittle point (Clash-Berg) |
| Min. Usage Temp | EN 1876 | °C | -15 | Temperature range where material keeps its mechanical properties (flexibility). |
| Max. Usage Temp | | °C | +50 | |
| Vicat Softening Temp. | EN ISO 306 | °C | 50 | Temperature at which the specimen is penetrated to a depth of 1mm by a 1kg flat indenter of 1sq. mm. |
| Specific Heat Capacity | ISO 11357 | kJ/kg.K | 1.6 | Heat energy required to increase the temperature of one kilogram of the material by one degree Celsius. |
| Sound Reduction | DIN 52210 | dB | >35 | Average sound level (freq. 0.1 to 3.2kHz) decreased by a 1.76sq.m. and 5mm thick PVC curtain. |
| Reaction To Fire | EN 13501-1:2007 | Class | Yes | Standard classifications of material self-extinguishing and resistance to combustion. |
| UV/IR Filter | EN 1598 & ISO 25980 | - | Yes | Ability to filter welding rays allowing the use of this material as a welding protection screen. |
| UV Resistance | ISO 4892 | - | Yes | Ability to resist to UV (Sun, welding arc). |
| Surface Resistivity | ASTM D257 | 10 ¹⁰ Ω/sq | 30 | Material surface electric resistivity measured with a 100V direct voltage. |
| Water Absorption | EN ISO 62 | % | -0.2 | Material mass variation after exposure to humid conditions. (<0 if released / >0 if absorbed) |
| Anti-Insect | - | - | No | Special ability to keep insects away. (Food processing plants, tropical regions) |
| Density | ASTM D 792 | g/cm ³ | 1.25 and 1.30 | Mass per unit volume. |