

AFC 2210

Based on a modified ETFE (Ethylene-tetrafluoroethylene) AFC2210 is designed to give uniform thick or thin film coatings. AFC 2210 should be considered for a broad range of applications where the high performance thermal, chemical or electrical properties of a fluoropolymer with outstanding mechanical toughness are needed.

- Excellent chemical resistance. Resistant to almost all chemicals except molten alkalis
- Good release properties
- Excellent cryogenic stability
- Low coefficient of friction
- High heat resistance
- Excellent electrical insulating properties
- Not approved for food contact
- Few substances will adhere to AFC2210 – Tacky substances that do are easily removed
- Both oleophobic and hydrophobic - not readily wetted
- High dielectric strength and low dissipation factor
- Virtually unaffected by UV or weather – resistance to extreme heat and cold
- Has the ability to perform while absorbing mild doses of electron or gamma radiation. Changes in physical properties by radiation include reduced elongation while tensile strength remains unchanged. Stiffness is increased and electrical losses are increased. Changes to physical properties are independent of whether radiation took place in air or nitrogen. In the case of flex life however a difference exists in that radiation in nitrogen gives a greater flex life than an equal dose in air.

Typical Physical properties of Cured Film

| Property | Value |
|------------------------------------|----------------------|
| Recommended dry film thickness | 0.10 – 1.00 MM |
| Number of coats possible | 2 + |
| Intermittent Max Operating Temp °C | 203°C |
| Operating Temperature range °C | -100°C to +150°C |
| Coefficient of Friction | 0.24 |
| Appearance | Smooth glossy finish |
| Colour | Green |

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All information is based on typical test results performed under specific conditions and limited sample size. This does not represent a legally binding guarantee of certain properties or the suitability for specific applications. All information is provided in good faith at time of print.

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