

KYNAR 500[®] FSF[®] TECHNICAL DATA SHEET

Kynar 500[®] FSF[®] resin is a special grade of PVDF resin produced without any fluorinated surfactants, used by licensed industrial paint manufacturers as the base resin in long-life coatings for aluminum, galvanized steel, and aluminized steel. Kynar 500[®] PVDF coating's extraordinary ability to retain gloss and color keeps painted metal exteriors looking vibrant. Its versatile endurance supports even large rugged exteriors, giving way to any aesthetic possibility. Since 1965, Kynar 500[®] PVDF coating's have provided a durable finish that is dynamic, stimulating, and can stand up to the elements of nature.

KYNAR 500[®] FSF[®] PROPERTIES HIGHLIGHTS

- ❖ Produced without fluorosurfactants
- ❖ Excellent weatherability
- ❖ Excellent dirt shedding
- ❖ Superb mildew resistance

PROPERTY	METHOD	VALUE
Appearance	-	Fine White, Powder
Specific gravity	D792	1.76
Melting Temperature (°C)	D3418	160
Melt Flow Rate (g/10 min @ 21.6kg load)	D1238	4.0
Melt Viscosity (Pa.s)	D3835	3100
Residual Moisture (%)	Karl Fischer	0.5 max (non-hygroscopic)
Thermal Decompositon(°C) (1% mass loss in air)	TGA	>380
Dispersion in Isophorone Hegman Grind	D 1210	>5.5

Note: These are typical properties, not specifications

COMMON APPLICATIONS KYNAR 500[®] FSF[®]



- ❖ Topcoat for metal roofing, siding, window and door frames, curtain wall and other miscellaneous metal trim and components. (Formulated to meet AAMA 2605 or Qualicoat 3)