ELEMENTIS
A global specialty chemicals company

Enhanced Performance Through Applied Innovation

Hypomer FX-2451F

Acrylic Polyol Resin

FEATURES

Fast drying and high hardness
Good adhesion to plastic substrates
Good alcohol resistance
Good orientation of metallic pigments
Good compatibility with cellulose acetobutyrate (CAB) and nitrocellulose
More environmentally friendly solvent composition

CHEMICAL & PHYSICAL PROPERTIES

Composition	hydroxyl acrylic copolymer
Appearance	clear viscous liquid
Color value	≦50 APHA
Non-volatile content	48 - 52 %
Solvent	n-butyl acetate
Specific gravity	ca. 1.01
Dynamic viscosity	10,000 - 20,000 cP (25 °C)
Acid value	4 - 8 mg KOH / g (100 %)
OH value	ca. 39.6 mg KOH / g (as received)
OH %	ca. 1.2 % (as received)
Tg	ca. 93 °C (measured by DSC)

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Plastic coatings
- Metallic coatings

SOLUBILITY

	Dilution
Mineral spirit (B.P. 100 - 140 °C)	—
Toluene	+
Xylene	+
Ethyl acetate	+
n-Butyl acetate	+
Methyl ethyl ketone	+
Propylene glycol monomethyl ether acetate	+

COMPATIBILITY

	Resin Solution	Dried Film
Hypomer FX-2050	+	+
Hypomer FX-2060A	+	+
Hypomer FX-2460A	+	+
Hypomer FX-2860A	+	+
Hypomer FX-3060	+	+
Hypomer FX-3270	+	+
Hypomer FX-4660	+	+

\+ = soluble / compatible
O = limited soluble / compatible
— = insoluble / incompatible

Mixing ratio of **Hypomer FX-2451F** with resin is 1/1.

HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

Keep away from sources of ignition and heat, as well as container tightly closed in a dry and well-ventilated place.

Stored between 0 °C and 40 °C.

continued…

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SHELF LIFE

Hypomer FX-2451F has a shelf life of 2 (two) years from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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