

Hypomer FS-2451

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

CHEMICAL & PHYSICAL PROPERTIES

Composition	hydroxyl acrylic copolymer
Appearance	clear viscous liquid
Color value	≤ 50 APHA
Non-volatile content	48 - 52 %
Solvent	toluene / 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 FS-2050	+	+
Hypomer FS-2060A	+	+
Hypomer FS-2460A	+	+
Hypomer FS-2860A	+	+
Hypomer FS-3060	+	+
Hypomer FS-3270	+	+
Hypomer FS-4660	+	+

+ = soluble / compatible

O = limited soluble / compatible

— = insoluble / incompatible

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

HEALTH AND SAFETY

As it contains solvents, the product requires special care in handling.

Avoid any eye and skin contact.

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 to 40 °C.

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SHELF LIFE

Hypomer FS-2451 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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