Product code: 419928

DOMACRYL 5428 70 BAc

Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	69 - 71%	MH1155 / ISO 3251
Acid value on solid resin	max. 15 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	80 - 100 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	1500 - 2500 mPa·s	MH1007 / ISO 3219
Colour	max. 100 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Density	1 kg/L
Flash point	24 °C
Hydroxyl content on solid	2.8%
Water content	max. 0.1 wt.%

Solubility:

Soluble in aromatic solvent 100, aromatic solvent 150, xylene, toluene, acetone, ethyl acetate, n-butyl acetate, methoxy propyl acetate and methyl isobutyl ketone.

Compatibility:

- Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret and other binders: Vinyl VAGH, nitrocellulose (ester soluble), majority of other Domacryl hydroxy resins.
- Limited compatibility with CAB 551-0.2.

Applications:

- Highly reactive hydroxy acrylic resin intended for crosslinking with isocyanate resins.
- Fast hardness build-up.
- Used for room temperature drying or forced drying of two-pack systems for automotive refinishing (top and clear coats) with excellent mechanical properties and superior outdoor durability.
- Supply form in butyl acetate is suitable for aromatic-free systems and is appropriate for high solid system at spraying viscosity.
- Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing. Physical drying can be accelerated with the addition of CAB resins.

Storage:

The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 35 °C, for up to 12 months. Exposure to direct sunlight should be avoided.