TECHNICAL DATA SHEET

Product code: 479350

DOMACRYL 5196 60 SA

Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	59 - 61%	MH1155 / ISO 3251
Acid value on solid resin	max. 10 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	33 - 50 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	4000 - 5000 mPa·s	MH1007 / ISO 3219
Colour	max. 50 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Density	1 kg/L
Flash point	40 °C
Hydroxyl content on solid	1.3%
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, methyl isobutyl ketone.

Compatibility:

- Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret, Desmodur Z 4470 and nitrocellulose (ester soluble).
- Limited compatibility with CAB 551-0.2.

Applications:

- Hydroxy acrylic resin intended for crosslinking with isocyanate resins for two-component air and forced drying protective top coats.
- Enamels based on Domacryl 5196 60 SA gives films with good adhesion on different substrates, lightfastness and chalking resistance.
- Suitable for two-component ACE and high-grade industrial coatings.
- Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing.

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.

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