Product code: Provisional

DOMACRYL 5269 51 MEK

Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	50 - 53%	MH1155 / ISO 3251
Acid value on solid resin	max. 5 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	45 - 60 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	1500 - 3500 mPa·s	MH1007 / ISO 3219
Colour	max. 1 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Density	1 kg/L
Flash point	15 °C
Hydroxyl content on solid	1.4%
Water content	max. 0.1 wt.%

Solubility:

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

Compatibility:

- Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret, Desmodur L 75, Desmodur IL, Desmodur HL and nitrocellulose (ester soluble).
- Very limited compatibility with CAB.

Applications:

- Very fast drying hydroxy acrylic resin intended for crosslinking with isocyanate resins.
- Fast film hardness build-up.
- Used for industrial two-pack polyurethane coatings for plastics and wood.
- Crosslinking with aliphatic and cycloaliphatic isocyanates is recommended for the formulation of non-yellowing finishes.

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.