

Product code: 481734

DOMACRYL 5500 75 BAc

Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	74 - 76%	MH1155 / ISO 3251
Acid value on solid resin	8 - 12 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	140 - 160 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	3500 - 10000 mPa·s	MH1007 / ISO 3219
Flow time FORD 4/20 °C	60 - 85 s (100:25 with BAc)	
Colour	max. 50 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Density	1 kg/L
Flash point	25 °C
Hydroxyl content on solid	4.5%
Water content	max. 0.1 wt.%

Solubility:

- » Soluble in esters, glycol ethers, glycol esters and ketones.
- » Limited solubility in aromatic hydrocarbons.

Applications:

- » Highly reactive hydroxy acrylic resin intended for crosslinking with isocyanate resins.
- » Broad compatibility with similar acrylic resins.
- » Coatings based on Domacryl 5500 75 BAc have very good balance between hardness and flexibility, with excellent mechanical properties and superior chemical resistance.
- » It is used for room temperature very fast drying of two-pack VOC compliant coatings (VOC ≤ 420 g/L) at low spray viscosity for automotive refinishing (clear and solid colour top coats) and industrial paints.

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.

Note: The information contained herein is provided in good faith and is to the best of our knowledge accurate, but we assume no liability for its accuracy or completeness. Therefore, the buyer is advised to determine the suitability of this product for the intended use. We retain the right to make any changes according to technological progress or further developments. For safety information please refer to the current Material Safety Data Sheet.

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