Product code: 479359

DOMACRYL 5124 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	5 - 10 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	120 - 145 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	3500 - 6500 mPa·s	MH1007 / ISO 3219
Colour	max. 100 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Density	1 kg/L
Flash point	25 °C
Hydroxyl content on solid	4.0%
Water content	max. 0.1 wt.%
Bio-based content on solid	5%

Remarks:

The resin contains 5% bio-based content derived from renewable, plant-based feedstocks.

Solubility:

Soluble in xylene, acetone, ethyl acetate, n-butyl acetate, methoxy propyl acetate and methyl isobutyl ketone.

Compatibility:

Compatible with isocyanate resins and majority of other Domacryl hydroxy resins.

Applications:

- Highly reactive hydroxy acrylic resin intended for crosslinking with isocyanate resins. It has a broad compatibility with similar acrylic resins.
- Coatings based on Domacryl 5124 75 BAc have good balance between hardness and flexibility, with excellent mechanical properties and superior outdoor durability.
- Used for room temperature drying or forced drying two-pack systems for automotive refinishing (clear and pigmented top coats), ACE and high quality industrial coatings.
- Supply form in butyl acetate is suitable for aromatic-free systems and gives high solids system at spraying viscosity (VOC ≤ 420 g/l).
- Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing.

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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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