

Product code: 418317

DOMACRYL 543 60 X/MPA

Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	59 - 61%	MH1155 / ISO 3251
Acid value on solid resin	8 - 14 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	145 - 165 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	2000 - 2500 mPa·s	MH1007 / ISO 3219
Colour	max. 50 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Solvent ratio	Xylene / Methoxy propyl acetate = 1 / 1
Density	1 kg/L
Flash point	27 °C
Hydroxyl content on solid	4.7%
Water content	max. 0.1 wt.%

Solubility:

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

Compatibility:

- » Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret, Desmodur L 75 and other binders: nitrocellulose (ester soluble), Vinyl VAGH, Domalkyd 5571, Domopol 6067, 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, with a fast build-up of hardness.
- » 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.
- » 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.

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.

Edition: June 2023

Helios TBLUS, d.o.o. | Količevo 65, 1230 Domžale, Slovenia | T +386 1 722 40 00
info@resinshelios.com | www.resinshelios.com
Part of KANSAI PAINT.