

Product code: 416988

DOMALKYD 4284 70 X

Alkyd Resin Modified with Synthetic Acids

Specification:

Property	Range	Method / According to standard
Non-volatile matter	69 - 71%	MH1155 / ISO 3251
Acid value on solid resin	max. 12 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	70 - 100 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	4000 - 6000 mPa·s	MH1007 / ISO 3219
Colour	max. 3 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Density	1.1 kg/L
Flash point	27 °C
Hydroxyl content on solid	2.4%
Water content	max. 0.2 wt.%

Solubility:

Soluble in Solvesso 100, xylene, acetone, ethyl acetate, n-Butyl acetate, methoxy propyl acetate and methyl isobutyl ketone.

Compatibility:

- » Compatible with isocyanate resins (HDI-biuret, HDI-isocyanurate, Desmodur L 75), Vinyl VAGH, ester soluble Nitrocellulose, Domopol 6067.
- » Limited compatibility with CAB 551-02 and Domacryl hydroxy resins.

Applications:

- » Domalkyd 4284 70 X is medium reactive alkyd resin intended for crosslinking with melamine formaldehyde resins or isocyanate resins.
- » Used for forced drying two-pack systems for metal with excellent mechanical properties and superior outdoor durability.
- » Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing.
- » The best results are achieved in the region of the theoretical mixing ratio with isocyanate. Over and under- crosslinking is possible within certain limits.
- » To accelerate the reaction, organic catalysts can be used: diethylethanolamine, dibutyl tin dilaurate or zinc octoate.

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.