

Product code: 477016

DOMALKYD 5435 60 SA/X

Alkyd Resin Modified with Synthetic Acids

Specification:

Property	Range	Method / According to standard
Non-volatile matter	59 - 61%	MH1155 / ISO 3251
Acid value on solid resin	max. 15 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	110 - 140 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	2500 - 3500 mPa·s	MH1007 / ISO 3219
Colour	max. 4 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Solvent ratio	Aromatic solvent 100 / Xylene = 9 / 1
Oil content	43%

Solubility:

- » Soluble in aromatic and chlorinated hydrocarbons, esters, ketones and glycol ethers.
- » Insoluble in aliphatic hydrocarbons.

Compatibility:

Compatible with most short and medium oil alkyd resins, melamine and urea resins, nitrocellulose, polyisocyanate resins etc.

Applications:

- » Domalkyd 5435 60 SA/X is medium reactive alkyd resin intended for crosslinking with isocyanate resins.
- » Used for forced drying two-pack systems for metal with excellent mechanical properties and superior outdoor durability.
- » Used for preparation of pigment pastes.
- » Crosslinking with aliphatic isocyanates is recommended for non-yellowing coatings.
- » 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: diethyl ethanolamine, dibutyltin 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.

Disclaimer

This data is based on experience, for its completeness, we assume no liability. As we take no influence on the processing, it lies within the obligation of the customer to test, whether it is suitable for the intended purpose, before using the product. Any change in the processing procedure, the environmental conditions or the failure to comply with instructions may unfavorably influence the result. This Technical Datasheet is available on our website at www.helios.si. Should there be any discrepancies between this document and the version that appears on the website, then the version on the Website will take precedence.

TECHNICAL DATASHEET

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