# ROSKYDAL® 550

Technical Datasheet

## TYPE

Unsaturated polyester resin (gloss polyester) of medium reactivity, flexible

## USES

Flexibilisation of conventional- and UV-curing paraffin-free and paraffin-containing unsaturated polyester lacquers. Polishing of gloss polyester lacquers can be improved by using ROSKYDAL 550. In paraffin-containing lacquers, ROSKYDAL 550 enhances scratch resistance and paraffin mirror.

## FORM SUPPLIED

Approx. 68 % in styrene

## SPECIFICATION

| | |
|---|---|
| **Non-volatile content (1 g, 1 h, 125 °C):** | 68 ± 1 % |
| DIN EN ISO 3251 | |
| **Viscosity (23 °C):** | 1600 ± 200 mPa·s |
| DIN EN ISO 3219/A.3 | |
| **Acid value, supply form:** | 15 ± 5 mg KOH/g |
| DIN EN ISO 2114 | |
| **Hazen colour value:** | ≤ 100 |
| DIN EN 1557 | |

## OTHER DATA*

| | |
|---|---|
| **Density (20 °C):** | approx. 1.13 g/cm³ |
| DIN EN ISO 2811-2 | |
| **Flash point:** | approx. 34 °C |
| DIN EN ISO 1523 | |

* These values provide general information and are not part of the product specification.

## PROPERTIES / APPLICATIONS

ROSKYDAL 550 yields permanent flexibility in combination with hard UP resins. Gloss polyester systems will be improved in polishing by addition of 30 - 50% ROSKYDAL 550, calculated on resins supply form. In paraffin-containing lacquers the use of 10 - 20% of ROSKYDAL 550 enhances the scratch resistance and promotes the transfer of paraffin. A slight increase of gloss however has to be accepted.

## STORAGE

When stored in its sealed containers at a temperature not exceeding 23 °C, the product will remain stable for at least 365 days.

## SOLUBILITY / THINNABILITY

| | |
|---|---|
| Alcohols | partly soluble |
| Aliphatic hydrocarbons | insoluble |
| Esters | soluble |
| Ketones | soluble |
| Toluene, Xylene | insoluble |

## COMPATIBILITY

| | |
|---|---|
| ROSKYDAL 300/1 | compatible |
| ROSKYDAL 500 A | compatible |
| ROSKYDAL 502 | compatible |
| ROSKYDAL 620 | compatible |

## LABELING AND REACH APPLICATIONS

This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet.