

TYPE

Highly reactive unsaturated polyester resin with very good storage stability which is cold-curing, even around 0 °C, and yields polymers of medium flexibility.

USES

As a binder in the formulation of highly filled UP knifing fillers with good sandability and good adhesion on all automotive substrates.

FORM SUPPLIED

Approx. 61 % in styrene

SPECIFICATION

Non-volatile content (2 g, 1 h, 125 °C): approx. 61 ± 1 %

DIN EN ISO 3251

Viscosity (23 °C): 500 ± 50 mPa·s

DIN EN ISO 3219/A.3

Acid value, supply form: 20 ± 5 mg KOH/g

DIN EN ISO 2114

Iodine color value: ≤ 12

DIN EN 1557

OTHER DATA*

Curing time (25 °C – 35 °C): approx. 8 min

DIN 16 945, 6.2.2.2

Curing time (25 °C – maximum curing temp.): approx. 11 min

DIN 16 945, 6.2.2.2

Maximum curing temperature: approx. 100 °C

DIN 16 945, 6.2.2.2

Density (20 °C): approx. 1.10 g/cm³

DIN EN ISO 2811-2

Flash point: approx. 33 °C

DIN EN ISO 1523

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

PROPERTIES / APPLICATIONS

Thanks to the excellent reactivity of ROSKYDAL K 58, knifing fillers based on this product are soon dry enough for dry sanding, particularly using sanding machines.

ROSKYDAL K 58 is the ideal sole binder for car body fillers. It can be made harder by combination with ROSKYDAL K 14 M and more flexible by the addition of ROSKYDAL K 65.

The low viscosity of ROSKYDAL K 58 promotes the wetting of the extenders and shortens the formulation time of knifing fillers.

Formulation

Combinations of talc, dolomite/calcite, crystalline chalk and powdered barytes with low iron content have proved suitable as extenders, with talc as the main component because it improves both the dry sanding properties and the adhesion to the substrate. The more spherical extenders such as dolomite, chalk and barytes ensure dense packing.

SOLUBILITY / THINNABILITY

Esters	soluble
Ketones	soluble
Toluene, xylene	partly soluble
Styrene	partly soluble
Aliphatic hydrocarbons	insoluble
Water	insoluble

COMPATIBILITY

ROSKYDAL K 14 M	compatible
ROSKYDAL K 27/1	compatible
ROSKYDAL K 36	compatible
ROSKYDAL K 45	compatible
ROSKYDAL K 60	compatible
ROSKYDAL K 65	compatible
ROSKYDAL K 68	compatible
ROSKYDAL E 65	compatible
ROSKYDAL K 620	compatible

STORAGE

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

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.