

TYPE

Highly flexible unsaturated paraffin-wax polyester resin.

USES

As a flexibilizing resin for wax-free polyesters, UV-curing styrene systems and spray, roller and knife fillers.

FORM SUPPLIED

Approx. 65.5 % in styrene

SPECIFICATION

Non-volatile content (1 g, 1 h, 125 °C):	65.5 ± 1.5 %
DIN EN ISO 3251	
Viscosity (23 °C):	950 ± 150 mPa·s
DIN EN ISO 3219/A.3	
Acid value, supply form:	11.5 ± 3 mg KOH/g
DIN EN ISO 2114	
Iodine color value:	≤ 3
DIN EN 1557	

OTHER DATA *

Density (20 °C):	approx. 1.12 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

Even in a ratio of 6 : 4, clear or pigmented combinations of ROSKYDAL 500 A and ROSKYDAL E 70 have excellent scratch resistance and gloss. This mixing ratio yields highly flexible coatings and improves the polishability of films based on ROSKYDAL 500 A. ROSKYDAL E 70 is also suitable for use as a flexibilizer in photo-polymerizing ROSKYDAL systems and in clear coats, roller primers and highly filled roller fillers based on ROSKYDAL 300/1.

ROSKYDAL E 70 is a highly effective flexibilizer. The systems to which it is added are easier to sand because they abrade more readily.

Adding larger amounts of ROSKYDAL E 70 to spray fillers based on wax-free polyesters such as ROSKYDAL 500 A or 620 yields excellent adhesion on medium-density fiberboard, metal car body components and some plastics.

ROSKYDAL E 70 can also be used to flexibilize amine-accelerated grades such as ROSKYDAL K 14 M, K 36 and K 40 T.

SOLUBILITY / THINNABILITY

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

COMPATIBILITY

Generally speaking, ROSKYDAL E 70 is compatible with other ROSKYDAL grades containing styrene. However, the compatibility should be tested.

STORAGE

When stored in its sealed containers at a temperature not exceeding 23 °C, the product will remain stable for at least 180 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.