

TYPE

Polyamide Imide Resin

USES

As a binder for the formulation of one-component baking coatings with outstanding resistance to heat and chemicals.

FORM SUPPLIED

Approx. 44 % in N-methyl pyrrolidone

SPECIFICATION

Non-volatile content (1 g, 3 h, 200 °C): 44 ± 1.5 %

DIN EN ISO 3251

Viscosity (23 °C, D = 82.56 s⁻¹): 2500 ± 1000 mPa·s

DIN EN ISO 3219/A.3

75% in N-methyl pyrrolidone

OTHER DATA *

Density (20 °C): approx. 1.16 g/cm³

DIN EN ISO 2811-2

Flash point: > 88 °C

DIN EN ISO 2719

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

PROPERTIES / APPLICATIONS

RESISTHERM AI 244 L has been developed as a binder for the formulation of one-component baking coatings, preferably for spray application.

Before baking drying for 5 minutes at 80 °C is recommended. Optimal film properties require baking for 4 – 6 minutes at 260 °C.

Films produced in this manner are characterized by their hardness and extraordinary resistance to heat, boiling water, solvents and chemicals. The product is preferably used in can coating and general industrial coating applications.

SOLUBILITY / THINNABILITY

RESISTHERM AI 244 L can be thinned with N-methyl pyrrolidone. When using N-methyl pyrrolidone / xylene mixtures, the xylene content must not exceed 50 %. The compatibility and storage stability of the thinned solutions should always be tested.

COMPATIBILITY

RESISTHERM AI 244 L is generally compatible with low-molecular weight epoxy resins. However, the compatibility of the desired mixtures should be tested.

STORAGE

When stored in originally sealed containers at temperatures not exceeding 30 °C, the product will remain stable for at least 365 days.

General information: The product is sensitive to moisture. Storage at significantly lower temperatures will result in solidification. This solidification is reversible by briefly heating the product without adversely affecting the quality of the product.

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.