



Uvacril R2

(Provisional)

Description

UVACRIL R2 is an UV-curable solvent-free acrylate copolymer.

The cured adhesive has high tack and low adhesion to different surfaces, hence it is suitable for removable applications.

Application

UVACRIL R2 is used for pressure-sensitive adhesives that are applied in the molten form and then crosslinked by exposure to UV light. Suggested application: labels (removable and deep freeze).

The degree of crosslinking and thus the adhesive properties can be modified by varying the UV exposure: high exposures yield greater shear strength and lower tack and adhesion, while low exposures yields higher tack and lower shear strength.

Technical Specifications

Method of analysis	MU	Standard
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1. Total Solids	%	> 99
119. Viscosity (130°)	Pa.s	7 - 20

Handling

UVACRIL R2 can be processed in conventional hotmelt adhesive coating machines at 100-120 °C. After application, the product must be exposed to UV light (conventional medium-pressure mercury vapour lamps or microwave-excited UV lamps are suitable). The maximum intensity of the lamps must lie in the 240-280 nm wavelength range. The exposure time depends on different factors: the

quantity of adhesive applied, the coating speed, the output of the lamps, ...

To avoid crosslinking gradients, a coating weight of 10 to 50 g dry/m² is recommended. The product has a photoinitiator incorporated in its backbone, so it is not recommended to add additional photoinitiators.

Packaging

The product is supplied in fiber drums (190 kg).

Storing

Store in tightly closed containers, at temperatures below 30°C. Protect from humidity, dust, heat sources and direct sunlight.

Use within 12 months from production date (unopened and in the original packaging).