



Uvacril A 26

(Provisional)

Description

UVACRIL A 26 is a UV-curing solvent-free acrylate copolymer.

Application

UVACRIL A 26 is used for pressure-sensitive adhesives that are applied in molten form and then crosslinked by exposure to UV light. Suggested applications: labels (filmic and paper permanent labels), tapes (double-sided, medical, insulating and speciality tapes).

The degree of crosslinking and thus the adhesive properties can be modified by varying the UV exposure: high exposures give greater shear strength, while low exposures gives higher tack and lower shear strength. Small deviations in the chosen radiation dosage have little effect on the adhesive properties.

gradient in crosslinking density in the coating sets in (obviously depending on the coating weight); therefore coatings produced under identical conditions, except direct and transfer process, can exhibit different adhesive properties. To avoid crosslinking gradient, a coating weight of maximum 100 g/m² should not be exceeded.

Packaging

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

Storing

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

Notes

Glass transition temperature T_g (DSC) : -39°C

Technical Specifications

Method of analysis	MU	Standard
1. Total Solids	%	> 99
119. Viscosity (130°)	Pa.s	30 - 70 ⁽¹⁾
⁽¹⁾ EN ISO 3219, app B, cone and plate, shear rate 100 s ⁻¹		

Handling

UVACRIL A 26 can be processed in conventional hot melt adhesive coating machines at 110-140°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 most effective wavelength range is between 220 and 280 nm. Since irradiation is usually carried out from one side only, a slight