

**DEGACRYL®**

**DEGACRYL®**  
**HEAT SEAL FOR**  
**YOUR PAPER COATING**  
**APPLICATION**



**We design polymers.**



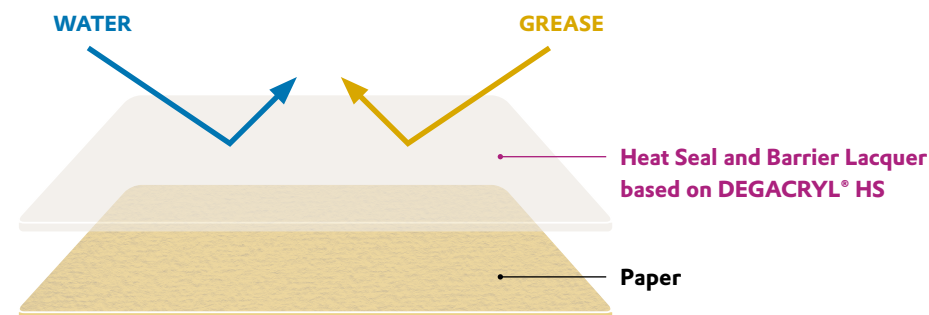
## HEAT-SEALABLE AND BARRIER-IMPROVED PAPER

Food packaging paper in one single coating step

With a focus on more sustainable packaging, paper has become a smart alternative to plastic material. In order to utilize paper as a substitution for plastic, functionalities such as barrier properties need to be improved.

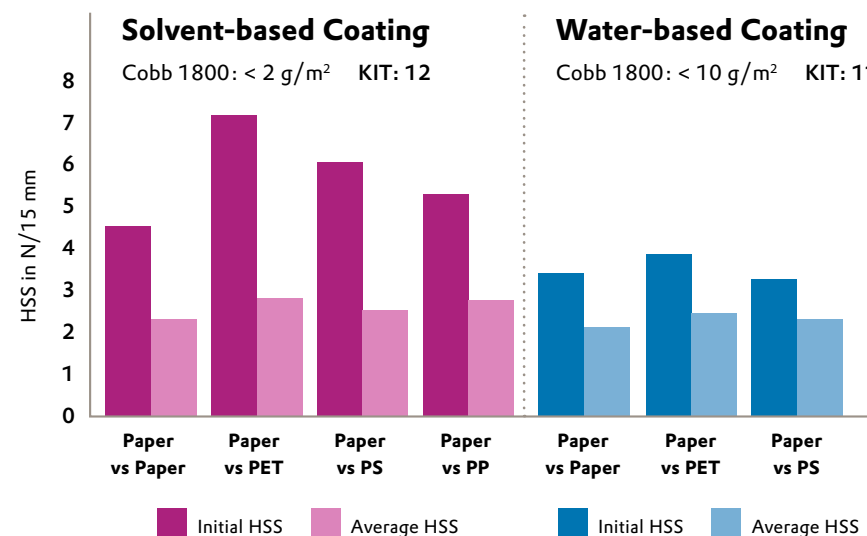
Evonik Industries AG is one of the world's leading specialty chemical companies, serving various industries like coatings or adhesives with innovative solutions. Heat Seal binders sold under the brand name DEGACRYL® HS are largely applied for sealing of dairy and food packaging. When applied on paper, DEGACRYL® HS based coatings combine two major functionalities: The paper becomes heat-sealable and at the same time certain barrier properties – for instance against water or grease – are improved. The DEGACRYL® HS portfolio generally offers solvent-based or water-based heat seal binders which can be used to securely seal a broad range of substrates such as paper, PET, PS or PP.

## HEAT SEAL COATED PAPER STRUCTURE WITH BARRIER FUNCTIONALITY



## HEAT SEAL VALUES FOR DIFFERENT MATERIAL COMBINATIONS

Heat seal strength and barrier properties of solvent-based or water-based DEGACRYL® HS coated paper



**Evonik Operations GmbH**

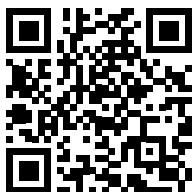
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