

## Next Generation of Heat Seal Binders

A new grade of the DEGACRYL® HS 42-Series with enhanced properties and no restrictions for any filling good

### FEATURES

- Organic dispersion of copolymers of methacrylic esters grafted on new olefin copolymers (OCP)
- Highly statistic grafting
- Narrow molecular weight distribution

### ADVANTAGES

- Copolymers free of ethylidene norbornene
- Low dynamic viscosity level
- Significantly reduction in causing rub-off deposits on customer rollers during printing and sealing

### BENEFITS

- No restrictions for any filling good
- High solid content leads to increased productivity
- Less cleaning and more production cycles means more output!

### TECHNICAL PROPERTIES

Heat Seal Strength	HSS > 8 N/15 mm
Lid Materials	Aluminum, PET
Substrates	PP, PE, PS, PET, PVC, PLA
EU 10/2011 FDA §175.300	✓ ✓
Solid Content	44 - 46 %
Viscosity	< 3.500 mPas
Blocking Temperature	approx. 65 °C

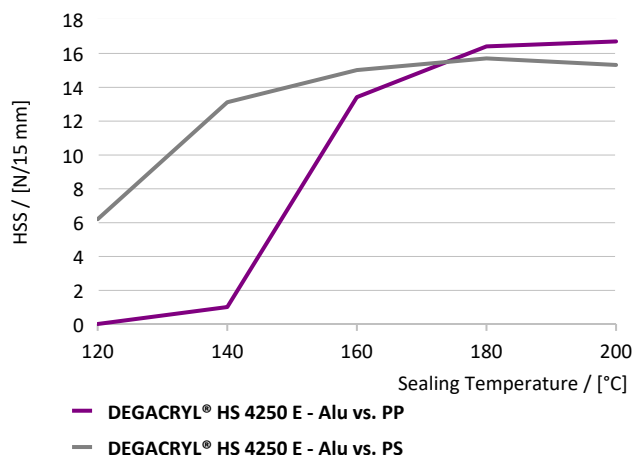
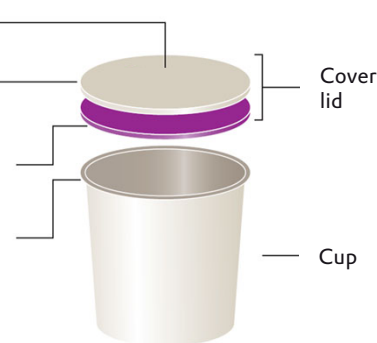
Label print

Aluminum or PET

#### DEGACRYL® HS 4250 E

One step lacquering combined 92.5/7.5 with Vinnol® H 30/48 M

Sealing substrate:  
PP, PS, PET, PVC, PLA



### Heat Sealing Strength vs. Sealing Temperature

#### Aluminum vs. PP and PS

#### Coating and Sealing Conditions

- One Step lacquering 7.0 g/m<sup>2</sup>
- Formulation of DEGACRYL® HS 4250 E and Vinnol® H 30/48 M (92.5/7.5)
  - Dilution solvent: Ethyl acetate
  - Sealing: 1 s , 6 bar
  - Drying: 15 s , 180 °C
  - Heat Sealing Strength Test,  $\alpha = 180^\circ$

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**We design polymers.**