

## Next Heat Seal Binder for PET lidding

New smart solution designed for paper-PET lidding

Benefit from PVC free formulation at low coating weight for multiple substrates

### FEATURES

- Organic dispersion of methacrylic esters grafted on new olefin copolymers (OCP)
- Designed for primerless PET lidding
- High solid content of 45%

### ADVANTAGES

- No PVC-copolymer required
- Direct adhesion to PET or aluminum
- Easy to formulate by diluting with common solvents
- Optimized for low coating weights

### BENEFITS

- Enables PET mono packaging
- Cost savings in PET lacquering due to one step process
- Seals versus common substrates like PS, PET, PVC, PLA & PBT
- High solid content leads to increased productivity

### TECHNICAL PROPERTIES

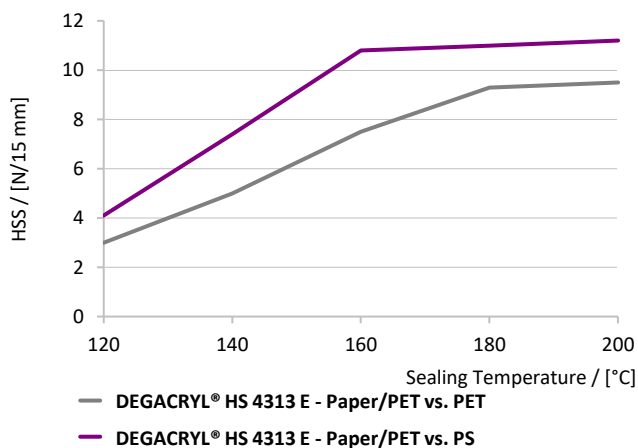
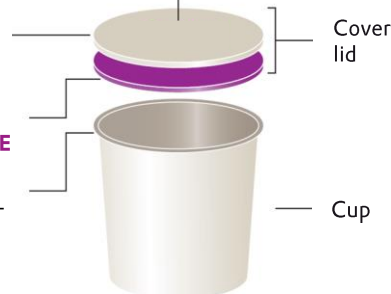
Heat Seal Strength	HSS > 8 N/15 mm
Lid Materials	PET, Aluminum
Substrates	PS, PET, PVC, PLA, PBT
EU 10/20211 FDA §175.300	✓ ✓
Solid Content	44 – 46 %
Viscosity	< 3.000 mPas
Blocking Temperature	approx. 60 °C

Label print

Paper-PET, Aluminum,  
Alu-PET, met-PET

One step direct adhesive  
lacquer based on  
**DEGACRYL® HS 4313 E**

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



### Heat Sealing Strength vs. Sealing Temperature

### Paper/PET vs. PET and PS

#### Coating and Sealing Conditions

- One Step lacquering 5.0 g/m<sup>2</sup>
- Dilution solvent: Ethyl acetate
- Sealing: 1 second , 3 bar
- Drying: 15 seconds, 180 °C
- Heat Sealing Strength Test,  $\alpha = 180^\circ$

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**We design polymers.**