

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)
- Direct adhesion to aluminum
- Highly statistic grafting
- Narrow molecular weight distribution

ADVANTAGES

- Copolymers free of ethylidene norbornene
- No PVC-copolymer required
- Low dynamic viscosity level
- Significantly reduction in causing rub-off deposits when processing

BENEFITS

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

TECHNICAL PROPERTIES

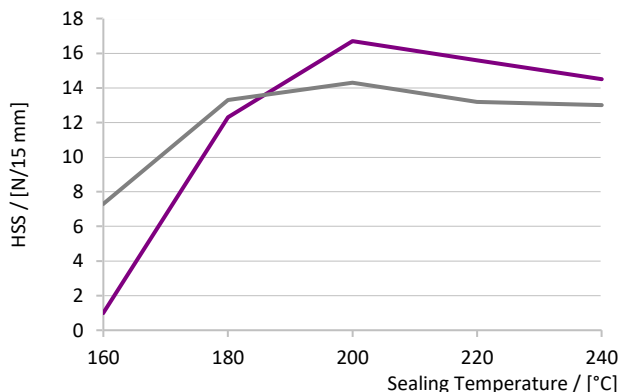
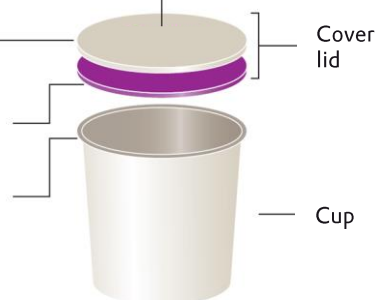
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|----------------------|---------------------------|
| Heat Seal Strength | HSS > 8 N/15 mm |
| Lid Materials | PET, Aluminum |
| Substrates | PP, PE, PS, PET, PVC, PLA |
| EU 10/2011 | ✓ |
| FDA §175.300 | ✓ |
| Solid Content | 50 - 53 % |
| Viscosity | < 3.500 mPas |
| Blocking Temperature | approx. 60 °C |

Label print

Aluminum or PET

One step direct adhesive lacquer based on
DEGACRYL® HS 4294 E

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



— DEGACRYL® HS 4294 E - PET vs. PP

— DEGACRYL® HS 4294 E - Alu vs. PP

Heat Sealing Strength vs. Sealing Temperature

PET and Aluminum vs. PP

Coating and Sealing Conditions

- One Step lacquering 7.0 g/m²
- 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.