

Next Generation of Heat Seal Binders

A new grade of the DEGACRYL® HS 42-Series as the one fits all binder with improved blocking behavior

FEATURES

- Organic copolymers dispersion of methacrylic esters grafted on new olefin copolymers (OCP)
- Direct adhesion to aluminum and PET
- Highly statistic grafting
- Narrow molecular weight distribution

ADVANTAGES

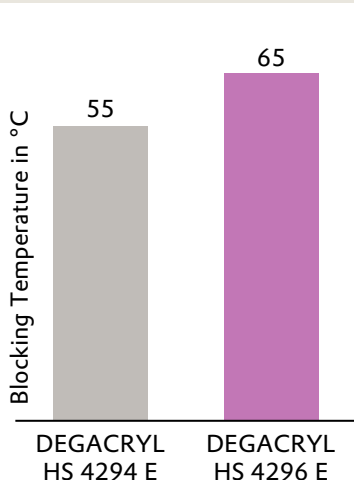
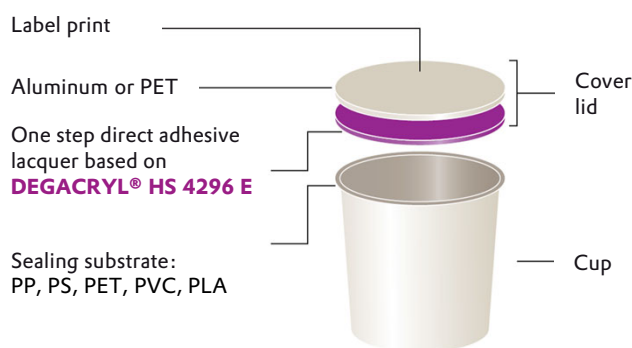
- Copolymers free of ethylidene norbornene
- No PVC-copolymer required
- Low dynamic viscosity level
- Significantly reduction in causing rub-off deposits when processing

BENEFITS

- Global food contact approval
- PVC-free packaging
- 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	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. 65 °C

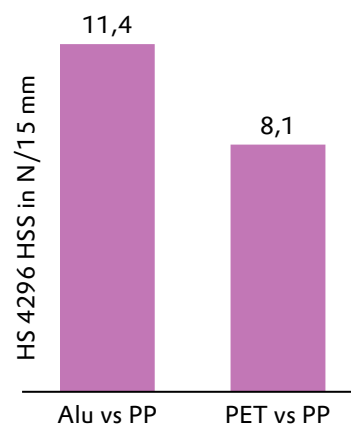


Blocking Temperature and Heat Sealing Strength

Aluminum vs. PP PET vs. PP

Coating and Sealing Conditions

- One Step lacquering 6.0 g/m²
- Dilution Solvent: Ethyl acetate
- Sealing: 1 s, 6 bar, 200°C
- Drying: 15 s, 180 °C
- Heat Sealing Strength Test, $\alpha = 180^\circ$



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We design polymers.