

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

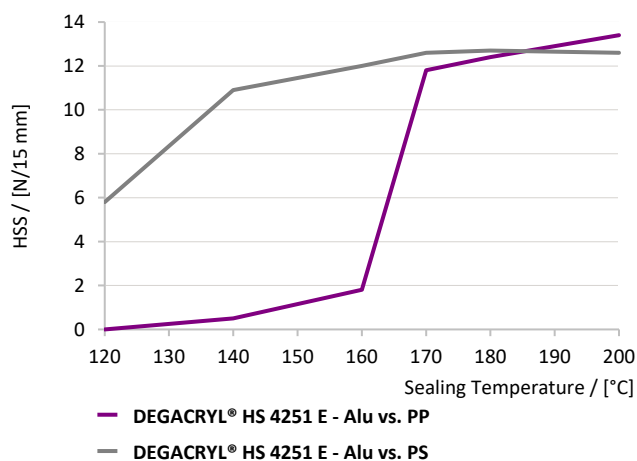
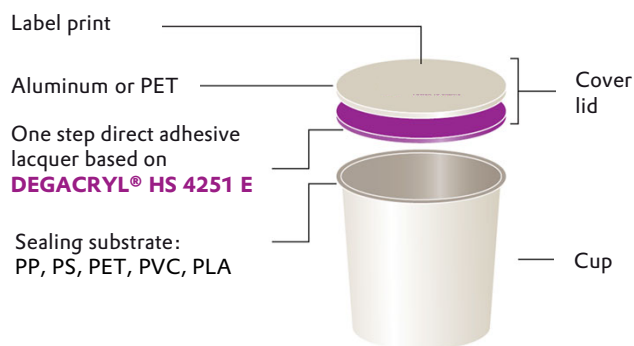
- Copolymers free of ethylidene norbornene
- No PVC-copolymer required
- Low dynamic viscosity level
- Significantly reduction in causing rub-off deposits on customer rollers during printing and sealing

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

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	44 - 46 %
Viscosity	< 4.000 mPas
Blocking Temperature	approx. 65 °C



Heat Sealing Strength vs. Sealing Temperature

Aluminum vs. PP and PS

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, $\alpha = 180^\circ$

Evonik Operations GmbH

Kirschenallee
64293 Darmstadt
Germany
Phone +49 6151 18-4740

heat-sealing@evonik.com
www.degacryl.com

Evonik Specialty Chemicals

(Shanghai) Co., Ltd.
55 Chundong Road,
Xinzhuang Industry Park,
Shanghai 201108
P.R. China

Phone +86 21 6119-1028
Fax +86 21 6119-1254

Evonik Corporation

Resource Efficiency
299 Jefferson Road
Parsippany, NJ 07054
USA

Phone +1 973 929-8924
Fax +1 973 929-8440

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Jürgen Hartmann

Technical Service
juergen.jh.hartmann@evonik.com
Phone +49 6151 18 4960

Oliver Kossanyi

Marketing
oliver.kossanyi@evonik.com
Phone +49 6151 18 4869

08/2021

We design polymers.