

Transparent Heat Seal Binder for PET Lidding

New smart solution fulfils the customer needs towards transparent lidding and can be easily applied on multiple substrates - seeing is believing!

FEATURES

- Designed for primerless transparent PET lidding
- Organic dispersion of copolymers of methacrylic esters grafted on olefine copolymers (OCP) and polyesters

ADVANTAGES

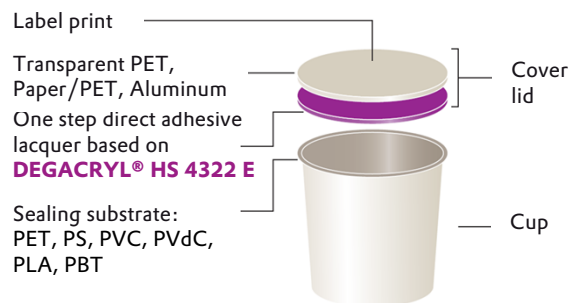
- Direct adhesion to PET and aluminum
- No primer is needed
- Low haze binder for transparent packaging

BENEFITS

- Cost savings in PET lacquering due to one-step process
- Seals versus common substrates like PET, PS, PVC, PVdC, PLA and PBT
- Enables single PET packaging, e.g. PET-film vs. PET-tray

TECHNICAL PROPERTIES

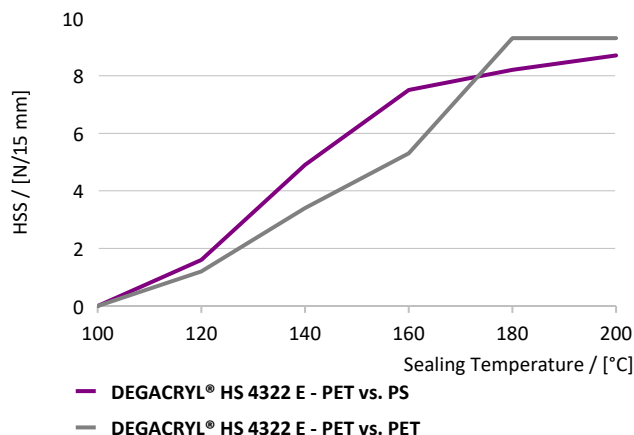
Heat Seal Strength	HSS > 6 N/15mm
Lid Materials	Transparent PET and Paper/PET-laminates
Substrates	PET, PS, PVC, PVdC, PLA, PBT
EU 10/20211 FDA §175.300	✓ ✓
Solid Content	39 - 41 %
Viscosity	< 8.000 mPas
Haze at 5g/m ²	Bare Film: 4 Reference: 25 DEGACRYL® HS 4322 E: <10
Blocking Temperature	approx. 60 °C



PET-film, 36µm, 5.0 g/m² coated with standard heat seal lacquer



PET-film, 36µm, 5.0 g/m² coated with heat seal lacquer including DEGACRYL® HS 4322 E



Heat Sealing Strength vs. Sealing Temperature

PET vs. PET and PS

Coating and Sealing Conditions

- One Step lacquering 5.0 g/m²
- Dilution solvent: Ethyl acetate
- Sealing: 0.5 s, 3 bar
- Drying: 15 s 180 °C
- Heat Sealing Strength Test, $\alpha = 180^\circ$

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We design polymers.