

PRESS RELEASE

Number 5

APFE 2020: WACKER Presents New Silicone Pressure Adhesive Series

Shanghai, September 28, 2020 — At this year's Shanghai International Adhesive Tape, Protective Film & Optical Film Expo (APFE), WACKER will present DEHESIVE® PSA 84X, which consists of three solvent-based silicone pressure sensitive adhesives (PSA). Featuring low, medium and high adhesion forces respectively, the new PSA series can realize the desired adhesion range by cold blending. Other WACKER product highlights during the show include two silicone release agents developed for paper and film release liners. Among them, DEHESIVE® SF 500 is a solvent-free product with a low release force and wide application range, while DEHESIVE® EM 495 is a water-born release agent which allows flexible adjustment of the formulation according to target release forces and to coating conditions. APFE 2020 takes place in Shanghai, China, from September 28 to 30.

During the application of PSA, it is very common to mix two products with different adhesion forces to reach the desired range. Mixing low- and high-adhesion products makes it difficult to precisely control the adhesion force and efficiently adjust the formulation. WACKER's new DEHESIVE® PSA 84X solvent-based PSA series contains three products featuring low, medium and high adhesion forces respectively. Due to the fact that they have the same solid content and approximate viscosities, it is easy to mix these products and to

efficiently adjust the formulation. DEHESIVE® PSA 84X shows good coating effects, has a long pot life and comes with an excellent curing performance even at lower temperature.

During APFE 2020, WACKER will also present silicone release agents developed for paper and film release liners:

DEHESIVE® SF 500 solvent-free system

DEHESIVE® SF 500 is a solvent-free silicone release agent which offers with a low release force of 1-3 g/inch at low peel speed. The product is fast curing and provides excellent anchorage to a wide variety of substrates with high subsequent adhesion and low migration properties. For a further reduction of release forces, WACKER recommends using the easy release additive ADDITIVE® R2. The anti-stick additive DEHESIVE® SF 500HJ makes it possible to achieve a dry surface even at high coat weight.

DEHESIVE® EM 495 silicone emulsion system

DEHESIVE® EM 495 is an emulsion release agent which does not contain crosslinkers and therefore allows flexible adjustment of the formulation according to target release forces and coating conditions. The product features good stability and excellent wetting properties. It cures rapidly even with a low platinum dosage, and has an outstanding anchorage to substrates. The application of DEHESIVE® EM 495 includes but is not limited to labels, tapes, non-stick packaging, hygiene products and baking paper.

Visit WACKER at APFE 2020, Hall 8.1H, Booth 6T19.



WACKER's new DEHESIVE® PSA 84X solvent-based silicone pressure adhesive (PSA) series consists of three products. They feature low, medium and high adhesion force respectively. The desired adhesion range can also be realized by cold blending. (Photo: WACKER)

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The company in brief:

WACKER is a globally-active chemical company with some 14,700 employees and annual sales of around €4.93 billion (2019). WACKER has a global network of 24 production sites, 23 technical competence centers and 51 sales offices.

WACKER SILICONES

Silicone fluids, emulsions, rubber and resins; silanes; pyrogenic silicas; thermoplastic silicone elastomers

WACKER POLYMERS

Polyvinyl acetate and vinyl acetate copolymers and terpolymers in the form of dispersible polymer powders, dispersions, solid resins and solutions

WACKER BIOSOLUTIONS

Biotech products such as cyclodextrins, cysteine and biologics, as well as fine chemicals and PVAc solid resins

WACKER POLYSILICON

Polysilicon for the semiconductor and photovoltaics industries