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NEW PROCESS TECHNOLOGY FOR DOSING, TRANSPORTATION, FILTRATION AND COATING OF HIGHLY VISCOUS ADHESIVES

Processing highly viscous or sticky materials poses major challenges for the machine technology in the production of adhesives. In particular, the dosing of highly viscous polymers in the continuous production of adhesives requires special process engineering solutions. The optimal mixture of raw materials has a major influence on the function of a seal or adhesive joint so that the individual raw materials have to be mixed in exact percentages and must be reliably fed to the appropriate mixing sections of a continuous mixers. The base polymers are typically available as bales or high viscous materials. Feeding these materials into continuous mixing processes places high demands on the dosing technology. A new dosing solution ensures easy handling while offering the prerequisite for easy process integration. The right process technology is also important when filtering, transporting or coating the ready-mixed adhesives. The gear pump technology in combination with the right feeding unit plays an important role and can provide a reliable solution here. In this presentation, process engineering solutions for the problems described above will be presented.