



Enhanced polyurethane covers for pulp machines IntensePress / IntenseFlow

In pulp machines, roll covers must withstand harsh conditions. High temperatures and especially aggressive chemicals place stress on the roll covers. These tough conditions often lead to degradation and groove collapsing after a short running period. Therefore, Voith has developed a roll cover for pulp machines that meets precisely these demanding requirements. The IntensePress roll covers for press rolls and the IntenseFlow roll covers for suction press rolls are made of a new polyurethane material with better chemical resistance as well as higher heat resistance!

Benefits

- + **Chemical resistance**
 - + **Heat resistance**
 - + **Low abrasion**
 - + **Damage resistance**
 - + **Hydrolysis stability**
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IntensePress



The IntensePress PU roll cover is designed for twin wire pulp machines for best heat, chemical and abrasion resistance. The surface design of the cover can be plain, blind drilled, grooved or blind drilled and groove.

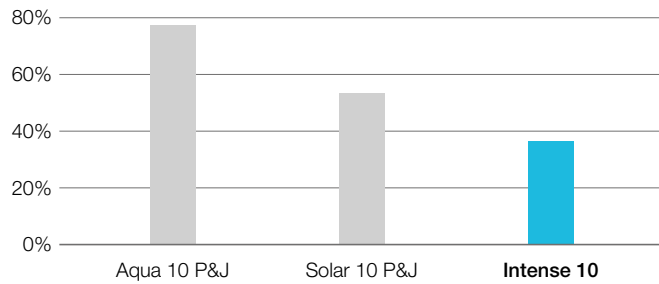
IntenseFlow



The IntenseFlow PU roll cover especially for suction press rolls in pulp machines is designed for heat and chemical resistance as well as abrasion resistance. The surface design of the roll cover can be suction hole drilled, suction hole drilled and grooved, suction hole drilled and blind drilled, suction hole drilled, blind drilled and grooved.

E-modulus

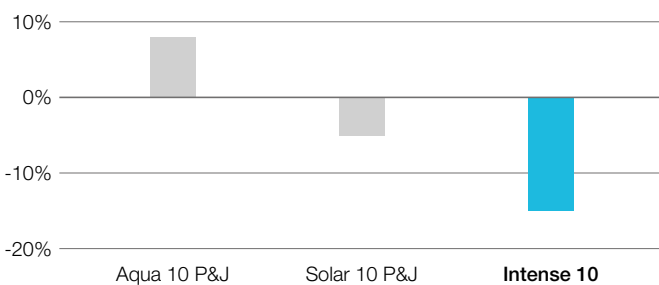
% loss of E-modulus after 4 days hydrolysis at 110° C



Compared to other PU roll covers, the IntensePress and IntenseFlow show a significantly lower loss of E-modulus under temperature. This indicates clearly a higher resistance versus surface deformation at a given load and therefore better wear resistance.

Tear Strength

% in loss of tear strength after 4 days hydrolysis at 110° C



Besides the good degradation resistance of the cover, its tear strength is also much better compared to other PU covers. The lower loss of tear strength demonstrates the better damage resistance of IntensePress and IntenseFlow in case of impacts or mechanical damage to the cover surface.

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