

# NeoFlex SG



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|---------------------------------------|---|--|
| <b>Cover Type:</b>                    | Special polyurethane  |  |
| <b>Possible applications:</b>         | Suction Grooved Press Roll  |  |
| <b>Hardness Range:</b>                | 5, 10, 15, 20, 25, 30, 35 PJ  |  |
| <b>Available Colours:</b>             | lilac   |  |
| <b>Recommended Cover Thickness:</b>   | max. 25 mm  |  |
| <b>Temperature resistance:</b>        | Dry:  | continuous 80°C / peak 110°C   |
| <b>Properties and advantages:</b>     | Optimal dewatering due to very strong mechanical properties leading to highest operative void volume under pressure in the nip<br>Longest dewatering stability due to highest Nip & Peak Pressure stability<br>Long lifetime due to excellent abrasion resistance without hydrolysis<br>Shortest drainage time due to tailor made surface design (Surface Manager)<br>Very limited energy losses (driving and pressing) due to very low heat buildup<br>Longest nip pressing stability in operation due to the fact that the cover has no hardening & no ageing<br>Excellent runnability due to high vibration absorption behaviour<br>Less risk of open area contamination due to surface self cleaning properties<br>Long resistance vs stress due to high performance bonding system |  |
| <b>Doctoring:</b>                     | HDPE blade at 1 to 2 mm from surface or 18 deg & 50 to 70 N/m if loaded,<br>HDPE foil blade 10 deg, 50 to 70 N/m<br>Dry doctoring is prohibited   |  |
| <b>Internal cooling:</b>              | if needed : recommended inlet T° of the inner cooling water : 30 to 45 °C, water flow to be adjusted in order to respect 5°C < Delta T (out-in) < 10°C  |  |
| <b>Possible surface design:</b>       | S (Suction), BD (Blind Drilled), G (Grooved) & combined SBD, SG, SBDG, BDG  |  |
| <b>Chemical resistance:</b>           | Acid solutions:<br>Alkaline solutions:<br>Hot water and steam:<br>Ozone:<br>Oil and grease:<br>Chlorinated solvents:<br>Polar solvents (MEC, ether, acetate,...):   | Moderate<br>Moderate<br>Very good<br>Very good<br>Good<br>Not suited<br>Not suited |
| <b>Recommended cleaning products:</b> | - Good resistance to standard chemicals normally used in paper machines   |  |
| <b>Remark:</b>                        | - Reference list available on demand  |  |