

NeoFlex BDG



Cover Type:	Special polyurethane														
Possible applications:	Blind Drilled Grooved Press roll, Grooved Dri Press														
Hardness Range:	5, 10, 15, 20, 25, 30, 35 PJ														
Available Colours:	lilac														
Recommended Cover Thickness:	max. 20 mm														
Temperature resistance:	Dry: continuous 80°C / peak 110°C														
Properties and advantages:	<ul style="list-style-type: none">- Optimal dewatering due to very strong mechanical properties leading to highest operative void volume under pressure in the nip- Longest dewatering stability due to highest Nip & Peak Pressure stability- Long lifetime due to excellent abrasion resistance without hydrolysis- Shortest drainage time due to tailor made surface design (Surface Manager)- Very limited energy losses (driving and pressing) due to very low heat buildup- Longest nip pressing stability in operation due to the fact that the cover has no hardening & no ageing- Excellent runnability due to high vibration absorption behaviour- Less risk of open area contamination due to surface self cleaning properties- Long resistance vs stress due to high performance bonding system														
Doctoring:	<ul style="list-style-type: none">- HDPE blade at 1 to 2 mm from surface or 18 deg & 50 to 70 N/m if loaded, HDPE foil blade 10 deg, 50 to 70 N/m- Dry doctoring is prohibited														
Internal cooling:	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														
Possible surface design:	S (Suction), BD (Blind Drilled), G (Grooved) & combined SBD, SG, SBDG, BDG														
Chemical resistance:	<table><tr><td>Acid solutions:</td><td>Moderate</td></tr><tr><td>Alkaline solutions:</td><td>Moderate</td></tr><tr><td>Hot water and steam:</td><td>Very good</td></tr><tr><td>Ozone:</td><td>Very good</td></tr><tr><td>Oil and grease:</td><td>Good</td></tr><tr><td>Chlorinated solvents:</td><td>Not suited</td></tr><tr><td>Polar solvents (MEC, ether, acetate,...):</td><td>Not suited</td></tr></table>	Acid solutions:	Moderate	Alkaline solutions:	Moderate	Hot water and steam:	Very good	Ozone:	Very good	Oil and grease:	Good	Chlorinated solvents:	Not suited	Polar solvents (MEC, ether, acetate,...):	Not suited
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Recommended cleaning products:	- Good resistance to standard chemicals normally used in paper machines														
Remark:	- Reference list available on demand														