

# Tissustar BDG



|                                     |   |                              |
|-------------------------------------|---|------------------------------|
| <b>Cover Type:</b>                  | Special rubber  |                              |
| <b>Possible applications:</b>       | Blind Drilled Grooved pressure roll for Tissue Machines   |                              |
| <b>Hardness Range:</b>              | 20, 25, 35, 40, 45, 65 PJ   |                              |
| <b>Available Colours:</b>           | black   |                              |
| <b>Recommended Cover Thickness:</b> | Standard 20 mm  | max. 25 mm                   |
| <b>Temperature resistance:</b>      | Dry:  | continuous 90°C / peak 120°C |
| <b>Properties and advantages:</b>   | Conformation to the Yankee surface<br>Hardness stability<br>Wear resistance<br>Void volume stability under compression in the nip<br>Low heat build up and fast dissipation of calories |                              |
| <b>Internal cooling:</b>            | Recommended inlet T° of the cooling water : 30 and 45°C<br>Adjust water flow until $5^{\circ}\text{C} < \Delta T \text{ outlet-inlet} < 10^{\circ}\text{C}$                             |                              |
| <b>Possible surface design:</b>     | P (plain), BD (blind drilled), G (grooved)  |                              |
| <b>Chemical resistance:</b>         | Acid solutions:   | Good                         |
|                                     | Alkaline solutions:   | Good                         |
|                                     | Hot water and steam:  | Good                         |
|                                     | Ozone:  | Good                         |
|                                     | Oil and grease:   | Excellent                    |
|                                     | Chlorinated solvents:   | Not suited                   |
|                                     | Polar solvents (MEC, ether, acetate,...):   | Not suited                   |
| <b>Remark:</b>                      | - reference list available on demand - good resistance to standard chemicals normally used in paper machines  |                              |