High Strength Carbon Fiber

Applications

The CarboTek 100 doctor blade has been engineered to provide the longest life possible from composite materials. The increased strength of this blade allows it to be used in sheet shedding positions, and is particularly suitable for ceramic roll surfaces.

Features

- 100% carbon fiber and epoxy resin laminate
- Uniform wear pattern
- Maximum temperature: 365°F (185°C)
- Minimum thickness: 0.055” (1.4 mm)

Benefits

- Optimum wear life
- Efficient cleaning without damage to roll surface
- Extra strength for sheet shedding positions
- Reduced frictional drag

Long life and efficient cleaning

Carbon fiber is used in many applications where the only goal is to reduce weight, while maintaining the same strength properties of metal counterparts. In this scenario, carbon fiber maintains the same strength as metal blades, and the kindness to the roll surface offered by composite materials. The outcome is a blade which cleans like metal, lasts significantly longer, weighs less, and reduces the friction between the roll and the tip of the blade.

Unlike traditional woven carbon fiber, the CarboTek 100 design significantly reduces the tufting seen at the leading edge of woven designs. No fiber bundles are exposed as the adjacent CD fibers break away and allow water and contaminants to pass the blade. The CarboTek 100 blade provides a clean, more uniform edge that delivers extended operating life and increased cleaning efficiency.

Contact your local Kadant District Manager for our specific recommendation for your application or visit www.kadant.com.