

Our Guardian Kevlar Transit is an Extra Heavy Duty 28,660-lb axle-rated material. GKT offers enhanced friction performance for maximum stopping power with low lining and drum wear rates across all temperature ranges. GKT's unique blend of insulating fibers, bonding resins and advanced graphites transfers heat away from the lining/drum interface, minimizing brake fade and noise. GKT features Kevlar fiber, which increases heat capacity and reduces unit loading on the organic materials in the friction matrix. GKT thermally protects the entire brake system and extends wear life by 30% compared to OE premium linings. Produced in an ISO9001-listed facility.

Friction Properties

Static Friction Coefficient: $0.49 \pm 0.05\mu$ to 450°F/230°C
Dynamic Friction Coefficient: $0.46 \pm 0.05\mu$ to 650°F/350°C
GAWR: 28,660 lbs @ 195 AL

Material: Kevlar Graphite Matrix

Appearance/Formats:

Drum Brakes.
Disc Brake Pads.

Physical Properties

Brinell Hardness: 15 HB
Swell at 200°C/392°F: -.007"
Swell at 400°C/750°F: -.009"
Fireproof

Applications

Heavily Loaded Over the Road Tractor Trailers.
Transit Buses.
Fleet Vehicles.

Thermal Properties

Maximum Service Temperature: 425°C/800°F

Compliance: Reach(CE)1907/2023 & RoHS2015/863/EU

Additional

Recommended Mating Surfaces: Cast Iron with surface finish $< 0.5\mu\text{m Ra}$ (20 $\mu\text{in CLA}$).
Steel hardened & tempered, Cast Steel, Cast Gray Iron.

The above data is taken from specific test parameters, therefore results can vary in differing application conditions

