



# TTP120

## Advanced Friction Paper

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TTP120 has an enhanced structure designed to provide superior energy capability, low wear, and long service life. TTP120 offers a low ratio of static to dynamic friction for enhanced engagement characteristics. Excellent energy capability and good wear resistance. Available in thicknesses 0.5mm - 1.5mm.

### Friction Properties

Static Friction Coefficient: 0.13-0.16  $\pm$ 0.05 $\mu$   
Dynamic Friction Coefficient: 0.11-0.14  $\pm$ 0.05  $\mu$

### Material Type: Fiber Paper Matrix

#### Appearance/Formats:

Rings and flat pieces.  
Bonded Parts.  
With Optional Oil Grooves.

### Physical Properties

Dynamic Pressure: 3.2 N/mm<sup>2</sup> (464 Lbf/in<sup>2</sup>)  
Rubbing Speed: 45 m/s (148 Ft/sec)  
Specific Power: 4.0 W/mm<sup>2</sup> (3.4 HP/in<sup>2</sup>)  
Energy Capacity: 210 J/cm<sup>2</sup>

### Applications

Wheel Brakes.  
Transmissions.  
Power shift and power take off transmissions.

### Thermal Properties

Contact ProTec

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

#### Additional

Recommended Mating Surfaces: Cast Iron with surface finish < 0.5 $\mu$ m Ra (20 $\mu$ 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