

HB150-200

Yes

ID Material: R. Antich Revision: 5 Date: 3/25/16

TF1200

TF1200 is a ProTec Friction standard formulation which is suitable for light medium duty. It is a rigid material, with low wear and very stable friction performance. The material's main composition consists of phenol resins with a NBR bonding system, short fibers, friction modifiers and fillers. TF1200 is fully cured and suitable for bonding and riveting.

Material Data Friction Properties (according to graphics) Material Type : Rigid material Static Friction Coefficient (15bar, from box): **Appearance / Formats** 0.45 ± 0.05 μ Static Friction Coefficient (15bar, 100oC): 0.50 ± 0.05 μ Dynamic Friction Coefficient (10bar, 10m/s): 0.40 ± 0.05 μ Wear Rate (10bar, 15m/s): 120 ± 10 mm³/Kwh To Fading (10bar, 10m/s): >662° °F **Physical Properties Applications** Hardness (DIN53505): 85±5 Shore-D Agricultural and building machinery - Callipers for industrial applications - Coned segments for machinery - Friction washers - Gear discs for Specific Gravity (ASTM D792-91): 1.8±0.05 industrial devices - Industrial clutches - Rings segments for machinery gr/cm³ Thermal Conductivity (ASTM E1952-01): 0.44±0.01 W/m°K Price Level : ŚŚŚŚ Shear resistance (ISO 6312:2001): 22±2 N/mm² **Mechanical Properties** Reach (EC) 1907/2006 - RoHS 2011/65/EU : Compliance Tensile Strength (ASTM D638-10): Other N/mm2 14 ± 5 Compressive Strength (UNE 53205): 140 ± 5 N/mm2 **Poisson Coefficient:** Perlitic cast iron, hardness 0.27 ± 0.03 **Recommended Mating Surface:** Young Modulus (ASTMD 638-10): 3896 ± 100 N/mm2 **Recommended Working Values Recommended Adhesives:** Thermosetting adhesive T° Max. Continuous Operation: 482 °F T° Max. Intermittent Operation: °F **Oil Resistant:** 662

The above data is taken from specific test parameters. Results can vary in different application conditions.



Rubbing speed, temperature and pressure are related. Changing any values will change other. The values shown represent typical conditions, but are not ultimate limits of the materia

www.protecfriction.com

answers@protecfriction.com