

LABORATORY DIVISION -MATERIAL SPECIFICATION

MATERIAL NTZM

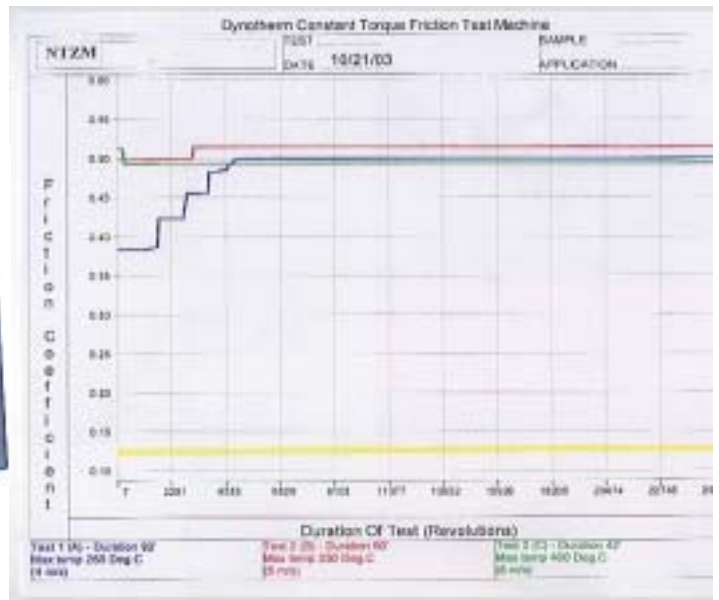
APPLICATION

Application includes extra heavy duty off road vehicles ,mission critical application(high speed passenger coaches),aircrafts and military.Material is a heavy duty high performance sintered carbon metallic capable of out performing conventional ceramic pads by more than 6 fold and rotor life in excess of 4 folds in certain applications.Key features include race ready i.e(no burnishing/bedding in required) The pad is capable of withstanding intermittent temperatures of 800°C.It is 100% fire,flame and swell proof.The pad is the most enviromentally friendly pad available as it contains no phenolic resin or airborne fibres.Material has a steel appearance



PHYSICAL TEST PROPERTIES

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|---------------------------------|------------------------|
| NOMINAL COEFFICIENT OF FRICTION | 0.55 μ |
| ULTIMATE PAD SHEAR STRENGTH | 27 tons |
| DENSITY | 4.15 g/cm ³ |
| NOMINAL HARDNESS | 12 HB |



THERMAL ANALYSIS

