



POLINTEK

**Product Data Sheets
POLINTEK
Brake Shoe**



GENERAL INFORMATION

Product Description :

Any component systems consisting of polymers and reinforced incorporated with the hot press and oven. Once fully cured, the system provides excellent protection from the effects of physical, mechanical, electrical and chemical attack and best optimum friction.

Application Areas :

Product is ideally suited for application to the following:

- Passenger Train
- Cargo Train

APPLICATION INFORMATION

Working Life

Applicable to all weather.

Size

Customized

Weigh

Will vary accordance to the size.

Physical

Easy to grind, cut and drill.

Components Appearance

dop to glossy Color black

Density 2,14 g/cm³

The above application information serves as introductory guide only. For full application details including the recommended application procedure/technique, refer to the POLINTEK IFU which is enclosed with each packaged product.

HARDNESS

When tested in accordance with ISO 2039-1-10 :
119 N/mm²

FRICTION COEFFICIENT

When tested in accordance with SNI-09-0143-1987 :
0,25

CRUSH

When tested in accordance with ASTM D-695 :
7223,05 N/cm²

CROSS BREAKING

When tested in accordance with ASTM D-695 :
2484,85 N/Cm²

SHEARING

When tested in accordance with SNI-09-0143-1987 :
1900,98 N/cm²

MODULUS ELASTICITY

When tested in accordance with ASTM D-790 :
519498 N/cm²

THERMAL CONDUCTIVITY

When tested in accordance with SNI-09-0143-1987
2,67

HEAT RESISTANCE

Good when tested in accordance with SNI-09-0143-1987
by 250 & 500 °C

CHEMICAL RESISTANCE

Demonstrates excellent chemical resistance and resistant to salt solutions, hydrocarbons and mineral oils.

SELF LIFE

All components will have a shelf life of at least 20 years.

APPROVALS / ACCEPTANCE

The material has received recognition from local organizations

ADVANTAGES

1. Asbestos Free.
2. Optimum Friction.
3. Easy Installation.
4. Compatible to all Passenger & Cargo Train.
5. UV, Chemical and Extreme Climate Resistance.
6. Best for Dynamic Force.
7. Best at high temperature.

POLINTEK guarantees this product will meet the performance claims stated herein when material is stored and used as instructed in the POLINTEK Information For Use leaflet. POLINTEK further guarantees that all its products are carefully manufactured to ensure the highest quality possible and tested strictly in accordance with universally recognized standards (ASTM, ISO & SNI). Since POLINTEK has no control over the use of the product described herein, no warranty for any application can be given.

AVAILABILITY AND COST

POLINTEK Railway Brake Shoe is available from a network of POLINTEK Distributors throughout the world for prompt delivery to the application site. For information, consult the POLINTEK Distributor in your area.

HEALTH AND SAFETY

Prior to using this material, please consult the relevant Material Safety Data Sheets.

MANUFACTURER

PT. DARTA MCKUADRAT INDUSTRI
Tangerang INDONESIA

TECHNICAL SERVICE

Complete technical assistance is available and includes fully trained Technical Consultants, technical service personnel and fully staffed research, development and quality control laboratories.

The technical data contained herein is based on the results of long term tests carried out in our laboratories and to the best of our knowledge is true and accurate on the date of publication. It is however subject to change without prior notice and the user should contact PT. DARTA MCKUADRAT INDUSTRI to verify the technical data is correct before specifying or ordering. No guarantee of accuracy is given or implied. We assume no responsibility for rates of coverage, performance or injury resulting from use. Liability, if any, is limited to the replacement of products. No other warranty or guarantee of any kind is made by PT. DARTA MCKUADRAT INDUSTRI, express or implied, whether statutory, by operation of law or otherwise, including merchantability or fitness for a particular purpose. Nothing in the foregoing statement shall exclude or limit any liability of PT. DARTA MCKUADRAT INDUSTRI to the extent such liability cannot by law be excluded or limited.

