ST-06 is developed for static applications, it is rigid and moulded friction material. Its most noted characteristics are hardness, mechanical strength and resistance to temperature. Its co-efficient is very high. It is composed basically of resins and rubber as a link system with friction modifying agents. The mineral fibres enhance the strength which helps to establish the friction value. ST06 is fully cured and suitable for bonding and riveting.

Material data

Friction properties (according graphics)
- Static Friction Coefficient (15bar, from box): 0.40±0.05 μ
- Static Friction Coefficient (15bar, 100ºC): 0.43±0.05 μ
- Dynamic Friction Coefficient: see charts
- Wear Rate: see charts
- Tº Fading: >350 ºC

Physical properties
- Hardness (DIN53505): 83±5 Shore-D
- Specific Gravity (ASTM D792): 1.80±0.05 gr/cm³

Mechanical properties
- Tensile Strength (ASTM D638): 23±5 N/mm²
- Compressive Strength (ISO 844:2014): 120±5 N/mm²
- Shear Modulus (ASTM D2344-00): 3705±100 N/mm²
- Poisson Coefficient (ASTM D638): 0.24±0.03
- Young Modulus (ASTM D638): 9190±100 N/mm²

Recommended Working Values
- T° Max. Continuous Operation: 250 ºC
- T° Max. Intermittent Operation: 350 ºC

Applications
- Callipers for industrial applications - Damper Technologies - Forging machinery - Heavy duty static applications - Holding Mechanical Structures - Punch-die press blocks - Static brakes - Yaw brakes -

Price Level:
- € €

Reach (EC)1907/2006 - RoHS 2011/65/EU : Compliance

Others
- Recommended Mating Surface: Perlitic cast iron, hardness HB150-200
- Recommended Adhesives: Thermosetting adhesive

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 material.