45 Kensico Drive
Mount Kisco, NY 10549
T. 914-244-3600

ID Material:

R. Antich

Revision: 5

Date: 2/15/13

TTG149

GRAPHITE FRICTION MATERIAL

TTG149 is a molded graphite material with a high percentage of carbonaceous components that provide superior energy absorption.

- **Outstanding thermal stability in high energy applications**
- **Stable coefficient of friction**
- **Good wear resistance**

Material Data

Typical Applications

- **Heavy duty power shift clutches**
- **Wet Brakes**
- **Transmissions**

Friction Coefficient (wet)

• Static:	0.135	-	0.150
• Dynamic:	0.110	-	0.125

Mating Material

- **Surface finish < 0.5µm Ra (20µ")**
- **Steel hardened & tempered**
- **Cast Steel**
- **Grey cast iron**

Recommended Load

• Max dynamic pressure:	3.5 N/mm² (508 Lbf/in²)
• Max rubbing speed:	35 m/s (115 Ft/sec)
• Max specific power:	4.0 W/mm² (3.4 HP/in²)
• Energy capacity:	210 J/cm²

Microstructure of TTG149

Oil Grooving

- **Sunburst and waffle**
- **Grooves are machined**

Dimensions

- **Friction thickness: 1.50mm (0.060") max / 0.04mm (0.016") min**
- **Friction diameter: 660 mm (26") max**

Price Level : $ $

The above data is taken from specific test parameters therefore results can vary in different application conditions