



CFRP - Rubber composite pipe

Using our original technology, we were able to mold CFRP and rubber.

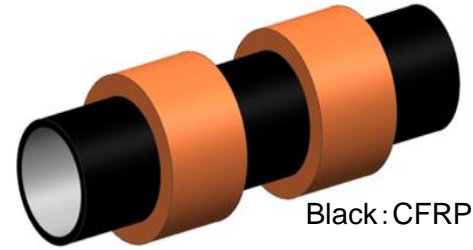
"Blend design, Integrated layer design, Mold design, Adhesion technology"



Interlayer rubber pipe



Surface rubber pipe



Black: CFRP

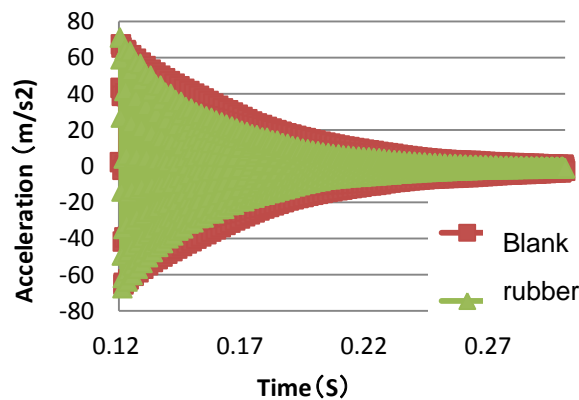
Brown: Rubber

Molding mold pipe

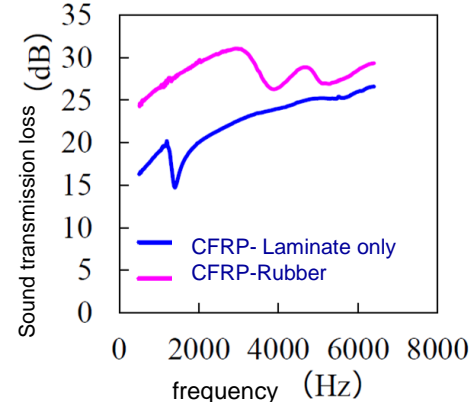
□ Expected effects

- Vibration damping
- Abrasion resistance (surface rubber)
- Non-slip (surface rubber)
- Non-conductive (surface rubber)
- Sound insulation
- Surface protection (surface rubber)

(1) Vibration damping



(2) Sound transmission loss



(3) Surface protection (preventing fiber scattering by diameter expansion test)

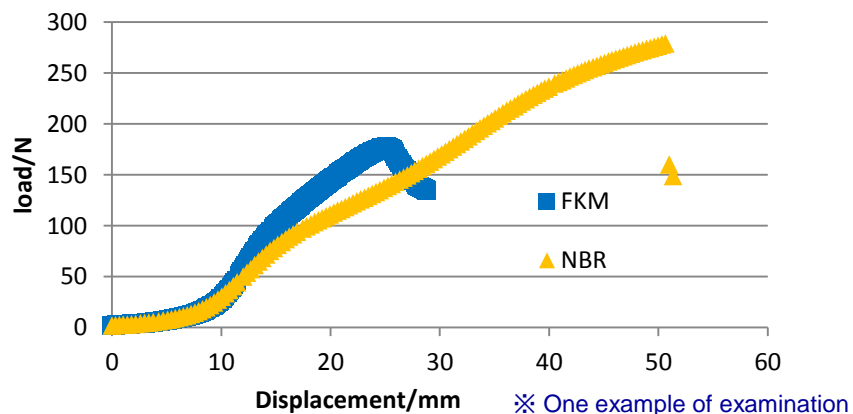


No rubber



With rubber

(4) 180° peel test (width 25 mm)



※ One example of examination

FUJIKURA COMPOSITES Inc.

6-12-8 Ueno, Iwatsuki-ku, Saitama-shi,
Saitama 339-8510, Japan
TEL +81-48-794-2940
E-mail kaihatsu@fc.fujikura.co.jp

* CFRP-Rubber bond: rubber break at 20N / cm or more
** Achievements of rubber types: NBR, FKM. Other under consideration