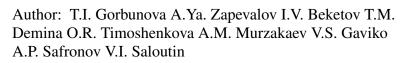
Accepted Manuscript

Title: Preparation and antifrictional properties of surface modified hybrid fluorine-containing silica particles





PII:	S0169-4332(14)02572-0
DOI:	http://dx.doi.org/doi:10.1016/j.apsusc.2014.11.091
Reference:	APSUSC 29136
To appear in:	APSUSC
Received date:	1-4-2014
Revised date:	13-11-2014
Accepted date:	18-11-2014

Please cite this article as: T.I. Gorbunova, A.Ya. Zapevalov, I.V. Beketov, T.M. Demina, O.R. Timoshenkova, A.M. Murzakaev, V.S. Gaviko, A.P. Safronov, V.I. Saloutin, Preparation and antifrictional properties of surface modified hybrid fluorine-containing silica particles, *Applied Surface Science* (2014), http://dx.doi.org/10.1016/j.apsusc.2014.11.091

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- ► Amorphous SiO₂ particles were prepared and modified by [(perfluorobutyl)methyl]oxirane and -thiirane.
- ► Covalent bonding was established between SiO₂ particles and the organic part.
- ► Friction coefficients of base oil with modified SiO₂ additives were estimated.

Received when the second

Download English Version:

https://daneshyari.com/en/article/5350893

Download Persian Version:

https://daneshyari.com/article/5350893

Daneshyari.com