



Foster ProPell™ Low Friction Compounds Static Coefficient of Friction Study

Foster ProPell™ Low Friction Compounds incorporate proprietary surface enhancing additives into a wide range of medical grade polymers, to reduce inherently high coefficient friction, while retaining desired mechanical properties. These unique compounds improve manufacturing and application performance by substantially reducing tackiness of medical device components, including catheter tubing. Foster ProPell™ Low Friction Compounds are suitable for extrusion and injection molding applications and can be custom formulated for unique application requirements.

The table below outlines the results of a static and kinetic coefficient of friction study conducted by Foster Corporation. This study compares Pebax® 3533 and Pebax® 7233 compounded with Foster's proprietary ProPell S™ package, to unmodified High Density Polyethylene (HDPE) and Teflon coated tape. The evaluations of Pebax 7233 + ProPell and HDPE LM6007 were performed on molded discs. All testing was conducted under dry conditions, against brushed stainless steel and Teflon surfaces.

ProPell S™ formulations have passed USP Class VI testing for biocompatibility.

Contact Surface	Property	Test Method	Pebax® 3533 + ProPell S™	Pebax® 7233 + ProPell S™	HDPE LM6007	Teflon Coated Tape
Brushed stainless steel	Static Coefficient of Friction	ASTM D1894	.327	0.173	0.170	0.012
Teflon	Static Coefficient of Friction	ASTM D1894	0.449	0.072	0.070	0.019

**Pebax is a registered trademark of Arkema, Inc.*

Foster Corporation
45 Ridge Road
Putnam, CT 06260
(860) 928-4102
www.fostercomp.com

Foster Corporation (Foster) believes that the information contained in this document is an accurate description of the typical characteristics and/or uses of the product or products, but it is the customer's responsibility to thoroughly test the product in each specific application to determine its performance, efficacy and safety for each end-use product, device or other application. Suggestions of uses should not be taken as inducements to infringe any particular patent. The information and data contained herein are based on information we believe reliable. Mention of a product in this documentation is not a guarantee of availability. Foster reserves the right to modify products, specifications and/or packaging as part of a continuous program of product development.

FOSTER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF INTELLECTUAL PROPERTY NON-INFRINGEMENT, INCLUDING, BUT NOT LIMITED TO PATENT NON-INFRINGEMENT, WHICH ARE EXPRESSLY DISCLAIMED, WHETHER EXPRESS OR IMPLIED, IN FACT OR BY LAW. FURTHER, FOSTER MAKES NO WARRANTY TO YOUR CUSTOMERS OR AGENTS, AND HAS NOT AUTHORIZED ANYONE TO MAKE ANY REPRESENTATION OR WARRANTY OTHER THAN AS PROVIDED ABOVE. FOSTER SHALL IN NO EVENT BE LIABLE FOR ANY GENERAL, INDIRECT, SPECIAL, CONSEQUENTIAL, PUNITIVE, INCIDENTAL OR SIMILAR DAMAGES, INCLUDING WITHOUT LIMITATION, DAMAGES FOR HARM TO BUSINESS, LOST PROFITS OR LOST SAVINGS, EVEN IF FOSTER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, REGARDLESS OF THE FORM OF ACTION.