

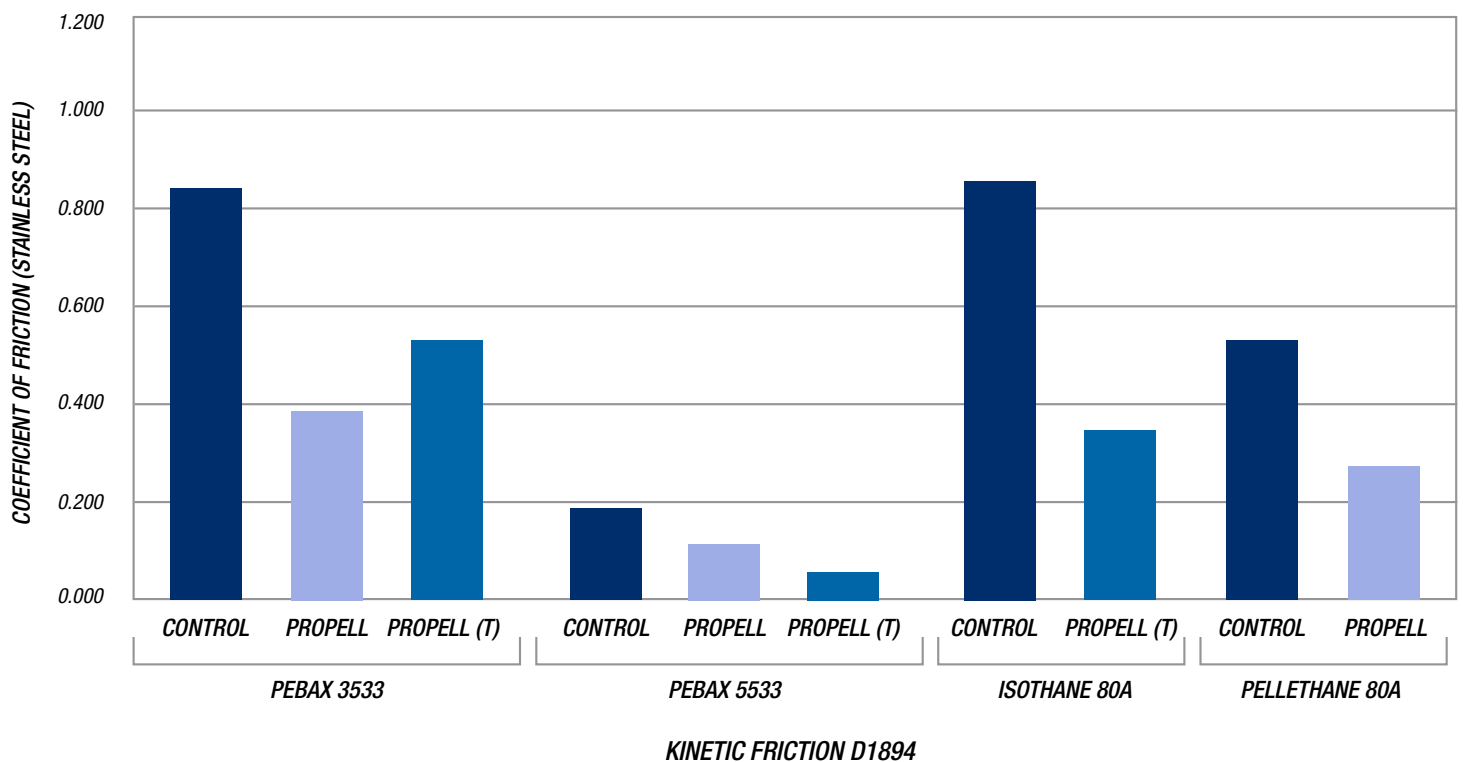


ProPell™ Low Friction Compounds

Foster ProPell™ Low Friction Compounds incorporate proprietary surface enhancing additives into a wide range of medical grade polymers to reduce inherently high coefficient of 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.

Due to wide variety of medical applications, and variabilities within each, Foster custom formulates ProPell™ based on each application requirements. These formulations can be opaque or translucent for applications where fluid visibility or color is critical. Foster also custom formulates surface modifications to account for the type of bonding or other post-processing steps that will be used. Though the formulations are custom, all components have been tested and passed USP Chapter 88 Class VI Biological Reactivity studies.

The graph below outlines the results of a kinetic coefficient of friction study, conducted by Foster Corporation on ProPell™ opaque and translucent (T) formulations. The evaluations were conducted under dry conditions, against stainless steel. Other mechanical properties were also measured.



PROPELL™ LOW FRICTION COMPOUNDS

			PEBAX** 3533			PEBAX** 5533			ISOTHANE*** 80A		PELLETHANE® 80A	
PROPERTY	ASTM	UNITS	CONTROL	PROPELL	PROPELL (T)	CONTROL	PROPELL	PROPELL (T)	CONTROL	PROPELL (T)	CONTROL	PROPELL
STATIC FRICTION	D1894	–	0.830	0.322	0.364	0.197	0.087	0.096	1.133	0.316	0.556	0.439
KINETIC FRICTION	D1894	–	0.827	0.392	0.521	0.179	0.112	0.066	0.853	0.326	0.507	0.262
TENSILE STRENGTH	638	PSI	4,739	5,580	4,298	7,942	4,112	5,562	3,316	2,702	5,435	7,170
TENSILE ELONGATION	638	%	1,220	825	1,125	746	381	523	591	734	550	530
TENSILE MODULUS	638	PSI	1,694	1,670	1,831	18,661	25,629	20,905	1,840	1,706	1,820	1,790
TRANSMITTANCE*	–	%	90	N/A	75	78	N/A	67	91	67	N/A	N/A

*The amount of light that passes through a 4mm plaque without being scattered.

Pebax is a registered trademark of Arkema. *Isothane is a registered trademark of GRECO. +Pellethane® is a registered trade mark of Lubrizol. Contact Foster Corporation for information on a wider range of ProPell™ materials.



Foster Corporation

45 Ridge Road, Putnam, CT 06260 • P: 860.928.4102 F: 860.928.4226

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.