

ProPell™

Low Friction Compounds

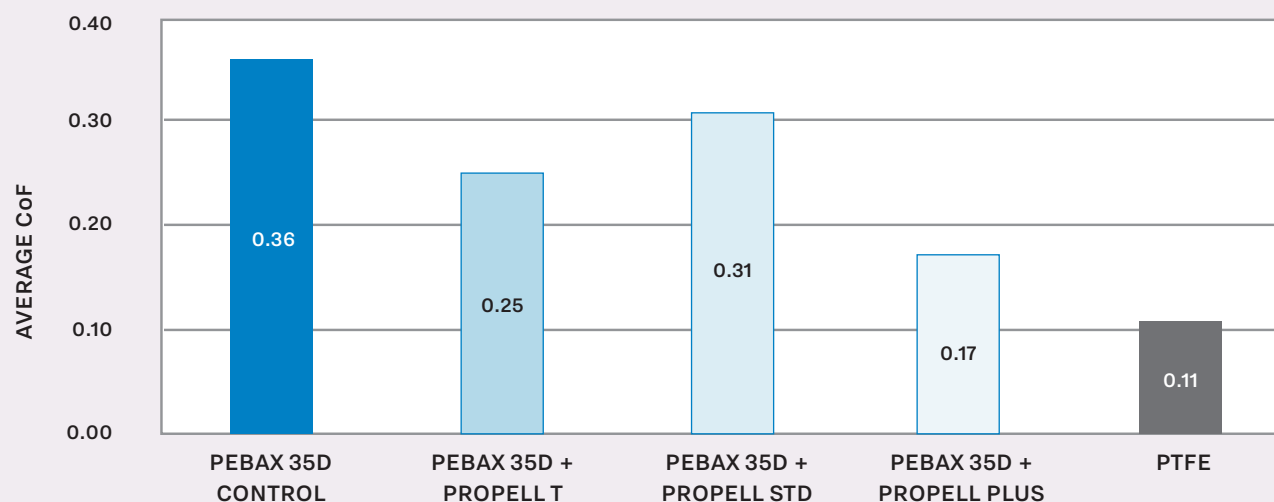
Foster ProPell low friction compounds incorporate proprietary surface-enhancing additives into a wide range of medical grade polymers to reduce inherent coefficient of friction, while retaining desired mechanical properties. These unique compounds improve manufacturing and application performance by substantially reducing tackiness of medical device components, including catheter tubing. Foster ProPell low friction compounds are suitable for extrusion and injection molding applications.

Formulation can be opaque or translucent for applications where fluid visibility or color is critical. Further customization is possible based on specific application needs. All ProPell formulations are PFAS free and have been tested for Biocompatibility USP Class VI; ProPell Plus testing is in progress.

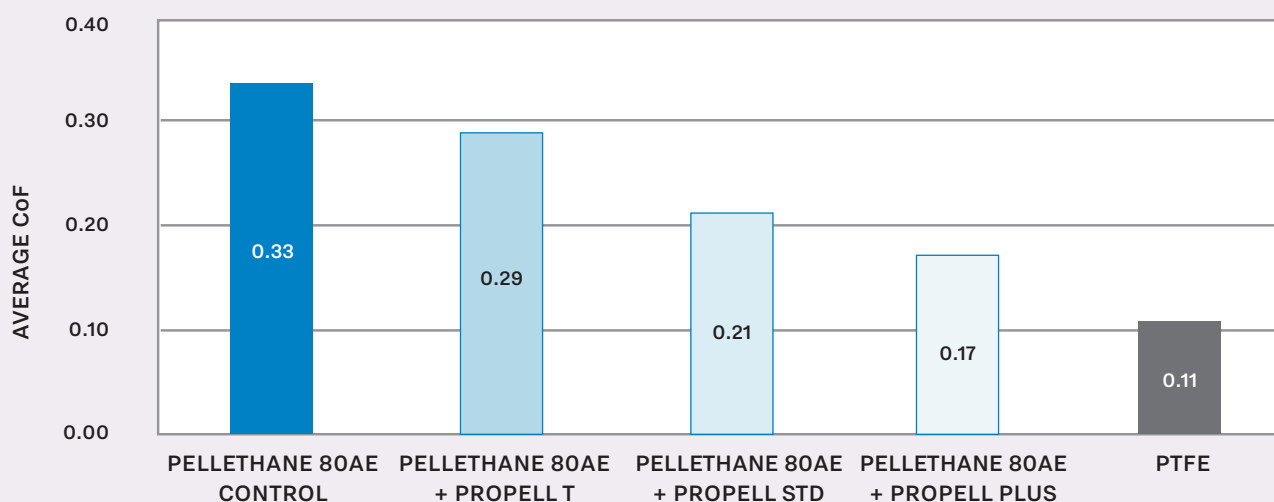
The graphs below outline the results of a Kinetic Coefficient of Friction conducted by Foster on ProPell Standard, ProPell Translucent and ProPell Plus with Pebax® 35D and Pellethane® 80AE TPU low friction compounds. The evaluations were conducted on a tube sample against PTFE grips. Mechanical properties and Rheological properties were also measured.



COEFFICIENT OF FRICTION OF PEBAX COMPOUNDS



COEFFICIENT OF FRICTION OF PELLETHANE COMPOUNDS



PROPELL PLUS LOW FRICTION PEBAX 35D COMPOUNDS

PROPERTY	NEAT RESIN	PROPELL T	PROPELL STANDARD
COF, % DECREASE VS	53%	32%	45%

PROPELL PLUS LOW FRICTION PELLETHANE 80AE TPU COMPOUNDS

PROPERTY	NEAT RESIN	PROPELL T	PROPELL STANDARD
COF, % DECREASE VS	49%	41%	19%

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Pellethane® is a registered trademark of Lubrizol Advanced Materials, Inc.

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