

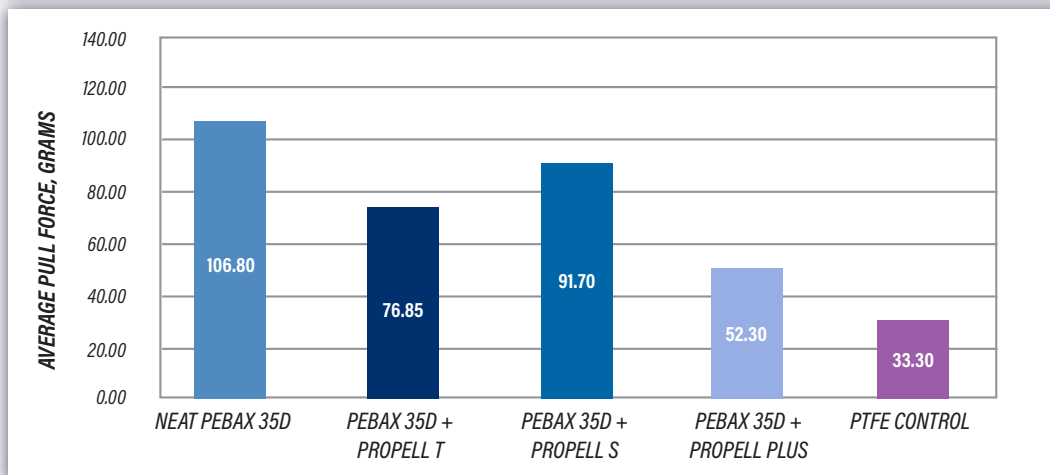
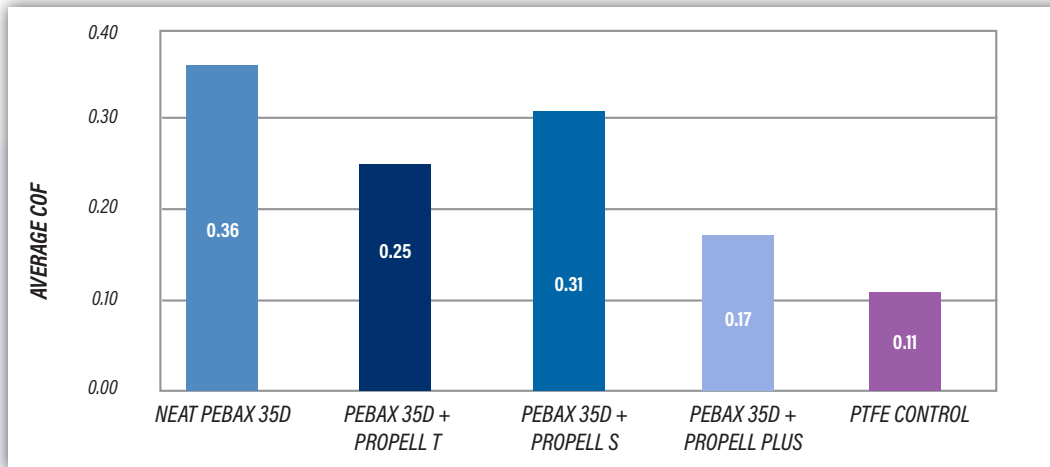


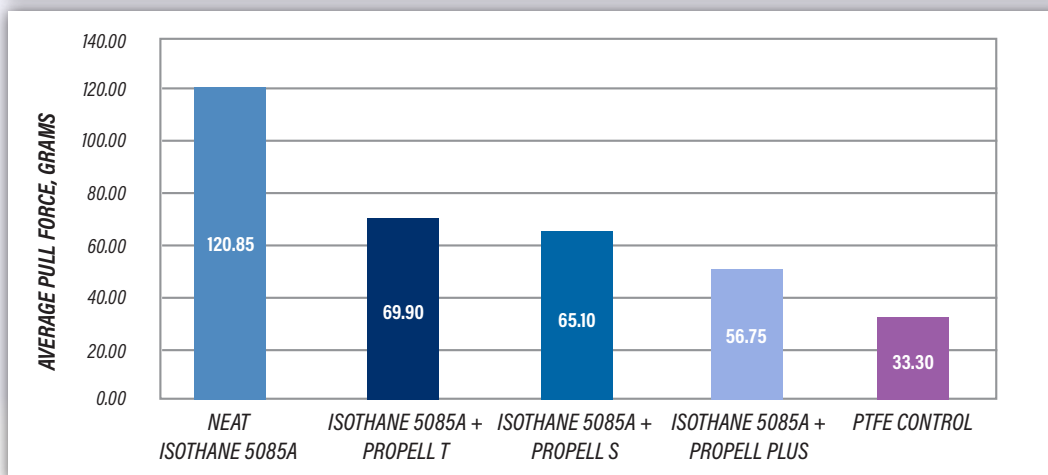
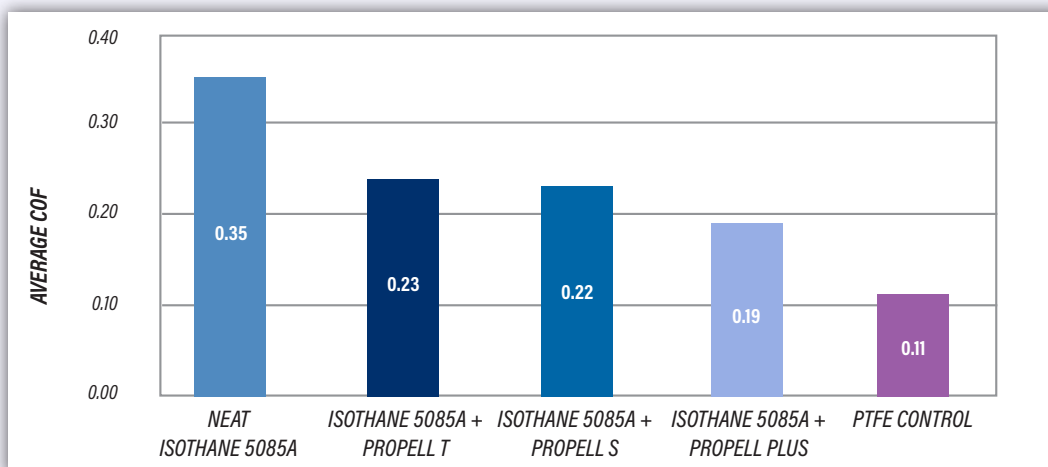
ProPell™ Low Friction Compounds

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.

Formulations 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 graph below outlines the results of an average pull force and Kinetic coefficient of Friction conducted by Foster Corporation on ProPell™ Standard, ProPell™ Translucent and ProPell™ Plus with Pebax 35D and Isothane 5085A TPU low frictions compounds. The evaluations were conducted on a tube sample against PTFE grips. Mechanical properties and Rheological properties were also measured.





The table below shows the reduction of average force and Kinetic Coefficient of Friction for ProPell™ Plus compounds compared to Neat Resin, ProPell™ Standard and ProPell™ Translucent.

PROPELL™ PLUS LOW FRICTION PEBAX 35D COMPOUNDS			
PROPERTY	NEAT RESIN	PROPELL™ S	PROPELL™ T
AVERAGE FORCE, % DECREASE	51%	43%	31%
COF, % DECREASE	51%	43%	31%
PROPELL™ PLUS LOW FRICTION ISOTHANE 5085A TPU COMPOUNDS			
PROPERTY	NEAT RESIN	PROPELL™ S	PROPELL™ T
AVERAGE FORCE, % DECREASE	53%	13%	19%
COF, % DECREASE	46%	13%	19%

Pebax is a registered trademark of Arkema. Contact Foster Corporation for information on a wider range of ProPell™ materials.



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